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THE CHEMICAL MARKET AUTHORITY

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Volume 138
Number 10

September 2, 1940

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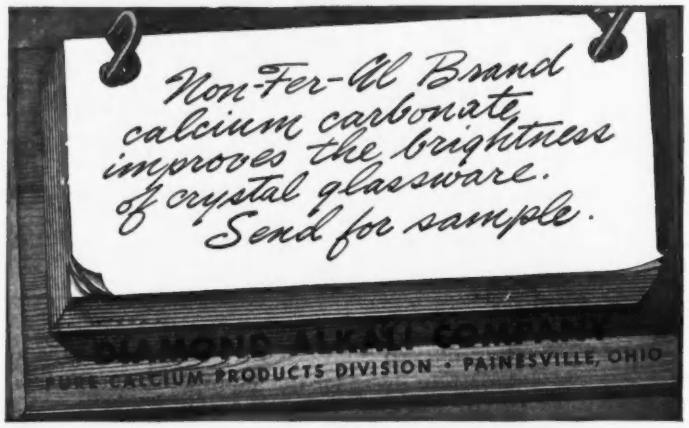

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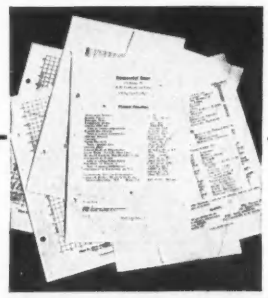

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U.S. Chemical Exports Gained 84% in July

OPD Washington Bureau
August 28, 1940

United States exports of chemicals and related products were valued at $24,685,500 during July of this year compared with $13,360,800 during July, 1939, an increase of 84 percent, according to C. C. Concannon, chief of the Chemical Division of the Department of Commerce.

Exports of coaltar products were valued at $2,587,883 against $663,161 in July of last year. Exports of dyes, colors, stains and lakes during these periods increased in value from $345,089 in July, 1939, to $1,589,245 during July of the current year.

Medicinal export reached $2,205,000 against $1,436,000 in July of last year. The largest advance was apparent in the non-proprietary medicinals group, which increased in value from $433,607 to $1,046,049 in the same comparative period.

Industrial chemical exports rose from $2,235,975 last July to $5,067,153 in July of the current year. Sulphur exports increased from $776,898 to $918,004 against last July, and essential oils from $210,758 to $274,378.

Crude drugs exports were lower in quantity and greater in value, 421,852 pounds valued at $74,467 being exported in July, 1939, compared with 304,424 pounds at $105,576 in July of the current year.

Insecticide Package Standards Accepted

OPD Washington Bureau
August 27, 1940

The proposed revision of Simplified Practice Recommendation R41-38, Package Sizes for Agricultural Insecticides and Fungicides, has been accorded the required degree of acceptance by the industry, and became effective August 1, according to the National Bureau of Standards.

As originally promulgated in 1926, this recommendation established a simplified schedule of package sizes for arsenate of lead, calcium arsenate, paris green, and bordeaux mixture. The first revision, which became effective in 1938, embodied certain changes in package sizes, and amplified the schedule to include the packaging of basic lead arsenate.

The current revision adds three items to the simplified list of packages and further enlarges the scope of the recommendation to include standard packages for nicotine sulphate. Until printed copies are available, mimeographed copies of this simplified practice recommendation may be obtained without charge from the Division of Simplified Practice, National Bureau of Standards.

Pyrethrum Harvesting High Cost Factor

Columbus, Ohio, Aug. 26, 1940

Harvesting cost is the main item of expense in the cultivation of pyrethrum in test planting in California, according to information received by the National Farm Chemurgic Council. The total cost of a test on 1¼ acres, irrigated, was almost $100 more than income from the sale of the production.

The Fontana Farms Company, Fontana, Cal., a member of the chemurgic council, has been conducting exhaustive tests since 1938 to determine the practicability of growing pyrethrum in that section. Its first crop of blossoms (1,041 pounds) from 1¼ acres was sold recently for $229.02. The cost of this test planting was $321.13, divided, according to E. L. Sedelmeier,

—Continued on page 58

Alcohol Regulations Are Being Revised

OPD Washington Bureau
August 29, 1940

It was learned at the Alcohol Tax Unit, Bureau of Internal Revenue, Treasury Department, today that regulations No. 3, relative to industrial alcohol, plain ethyl and denatured, are being revised and that a draft has already been sent to the government printer. The present regulations have been in effect since April 1, 1931.

Dr. H. E. Howe, executive secretary of the Council of Industrial Alcohol Users and chairman of the industrial alcohol committee of the American Institute of Chemical Engineers, as well as representatives of other scientific societies and trade organizations, have asked the department for an opportunity to examine the proposed revision so that their views may be submitted to and considered by the department before the new regulations are issued.

Hopkins Resigns As Commerce Secretary

OPD Washington Bureau
August 25, 1940

President Roosevelt today accepted the resignation of Harry L. Hopkins as Secretary of Commerce and announced that the post would be offered to Jesse H. Jones, Federal Loan Administrator. Ill-health, from which he has been suffering since last Spring, prompted Mr. Hopkins' decision to relinquish the position.

The President also proposed consolidation of the Federal Loan agencies with the Department of Commerce, a step that is understood to have been suggested by Mr. Jones as a condition to his acceptance of the Cabinet post. Congress will be asked to pass a joint resolution providing for the necessary reorganization before the Jones nomination goes to the senate for confirmation.

For the past eight years, Mr. Jones has been one of the prominent admin-

—Continued on page 31

Patent Pool Trust Charge Indicts Bentonite Group

For an alleged conspiracy in controlling the sale and production of bentonite, since 1937, five corporations and eight individuals were indicted by a Federal grand jury in this city August 28. Arraignment has been set for September 10. The five corporations and eight individuals indicted were:—

American Colloid Company, of Lead, S. D., and Paul Bechter, president.

Wyodak Chemical Company, of Cleveland; Ralph Ditty, president; Louis H. Heyl, general manager.

F. B. Schundler Bentonite Company, of Delle Fourche, S. D., and F. E. Schundler, president.

Whitehead Brothers Company, this city; Alfred J. Miller, president; A. Y. Gregory, vice president.

Processing Corporation of America, this city; Joseph A. Anglada, president; Nelson Littell, patent attorney, New Canaan, Conn.

Although bentonite is used in paper and pottery production, the government's indictment involved only the use of bentonite in the foundry industry. The government contended that control of the sale and production of bentonite would seriously retard increased foundry operations made necessary for the output of casing engine blocks, gun carriages, tractor treads and other metal products necessary in the national rearmament scheme.

By controlling three patents covering moulding mixtures of bentonite and foundry sand, the government contended that the defendants formed a "trust" by forcing foundries buying bentonite from them that it could be used with foundry sand only if they purchased all their bentonite from them.

The government further charged that the defendants refused to license other bentonite producers to use the patents they controlled. The combination of bentonite and foundry sand was used freely by foundries throughout the United States, even after the patents to its combination with foundry sand were issued to H. B. Hanley in 1928 and to G. E. Kraus in 1934, the government contended. However, after the alleged combination was formed in 1937, production of the compound was restricted to the defendants named in the indictment.

The complaint bringing about the investigation of the sale of bentonite, which is a natural resource mined cheaply and freely in Western and Southern States, was originally filed by Senator W. J. Burlow, South Dakota. The indictment was obtained by Samuel S. Isseks, Monroe Karasik, and other attorneys in the anti-trust division of the Attorney General's office. It alleged violation of the Sherman Anti-Trust Act.

Insecticide Association Elects Moyer President

Warren H. Moyer, vice-president of the Chipman Chemical Company, Bound Brook, N. J., was elected president of the Agriculture Insecticide and Fungicide Association, at the annual meeting of the association held recently in Cleveland. Other officers elected were:—

Warren H. Moyer

Vice-president, H. C. Davies, of the California Spray Chemical Company;

—Continued on page 29

Latin America Must Export Many Important Products

OPD Washington Bureau
August 26, 1940

"Latin America's ability to purchase the commodities of other nations is dependent upon its ability to export its products in adequate volume and at adequate prices." The United States Tariff Commission makes this statement in part III of its report on the foreign trade of Latin America, which is entitled "Selected Latin American Export Commodities."

Major commodities which are produced in Latin America, partly for domestic use and partly for export, include barley, corn, cotton, henequen and sisal, iron ore, meats, oats, tobacco, wheat, and yerba mate. The principal commodities of which all or the greater part of the entire production is exported include bananas, cacao, chicle, coffee, copper, hides and skins, manganese ore, nitrate, oil-bearing seeds and nuts, petroleum, quebracho extract, rubber, cabinet woods, tin, and wool. Lacking an export market, most of these commodities could find only limited use within the countries which produce them as the economies of these countries are now constituted.

Latin American countries supply all the world's quebracho, henequen, and chicle, and they have accounted for about 85 percent of the world's export of coffee, 70 percent of the exports of fresh, chilled, and frozen beef and veal, 65 percent of the exports of bananas, 50 percent of the exports of cattle hides, 40 percent of the exports of petroleum and petroleum products, 30 percent of the exports of sugar, and 25 percent of the exports of cacao. Several of these countries are also large producers and exporters of nonferrous metals and their ores, such as tin, antimony, manganese, copper, lead, zinc, tungsten, vanadium, and bauxite.

The United States is an important market for many Latin American products. In recent years it has taken about 90 percent of the chicle and of the henequen and sisal exported from Latin America, 75 percent

—Continued on page 58

Magnesium Patents Investigated by U.S.

The current Federal grand jury investigation of alleged handicaps to the providing of materials and equipment essential to national defense embraces magnesium metal, and the motivating belief in this respect is that patents for the production, alloying, and fabricating of magnesium are substantially under German control.

Voluminous records of the American Magnesium Corporation, a fabricator of the metal, with plants in Cleveland, Ohio; Los Angeles, and other places, were subpenaed to the grand jury several weeks ago, and these were impounded August 20 by order of Federal Judge Edward A. Conger in this city. Samuel S. Isseks, who is in charge of the investigation, argued that it was necessary to hold the records because they were so voluminous that they could not be adequately examined in the ordinary course of proceedings in the grand jury session.

Denial of Department of Justice allegations that there is German control of magnesium patents was made during the past week by Wiser Brown, first vice-president and general manager of the American Magnesium Corporation, which is owned jointly by

—Continued on page 34

Closing Markets

Cottonseed Oil Firmer

Refined cottonseed oil futures were firmer on Friday. Offerings of contracts were light. Shorts covered. Final prices were about 25 to 30 points above the low of the week. Southern markets for cottonseed products were firm with offerings light. Soybean oil remained firm.

Tin Salts Steady

Quotations for various tin derivatives remained steady late in the week. Straits metal closed slightly lower at 50½c. per pound.

Copper Firm

Domestic copper continued to display a firm tone. Custom smelters and producers retained the 11c. per pound level. A firmer tone was reported in the outside market with sales for prompt delivery at 11c. Demand continued in excellent volume. Export copper inquiry was quiet at 9.90c. f.a.s. N. Y.

N.P.A. Meeting Starts Sept. 18 in Atlantic City

The thirty-eighth annual meeting of the National Petroleum Association will be held at the Hotel Traymore, Atlantic City, September 18-20. A portion of the program of the meeting is as follows:—

September 18, 9:00 A. M.

Report of department of taxation.
Report of department of fire and accident prevention.
Meeting of executive committee.

September 18, 2:00 P. M.

President's address.
Appointment of committees.
"Pennsylvania Oils for National Defense," Cary R. Wagner, Pure Oil Company.
"Washington Observations," Ray Tucker, columnist.
"Future of Our Foreign Trade," E. P. Thomas, president, National Foreign Trade Council.
Report of nominating committee.
Election of trustees.

September 19, 9:00 A. M.

Report of department of manufacture.
Report of traffic and transportation.

September 19, 2:00 P. M.

"The Petroleum Economic Outlook," J. E. Pogue, Chase National Bank.
"Civil and Military Aviation," R. H. Hinckley, Department of Commerce.
"Progress in Preparedness," W. A. Harriman, National Defense Commission.

September 19, 6:30 P. M.

Fellowship banquet, H. V. Kaltenborn, speaker.

September 20, 11:00 A. M.

Seaview breakfast.

Lime Factors Studied In Caustic Soda Process

Conditions affecting the settling rate of calcium carbonate in the causticizing of soda ash are reported by John C. Olsen and Otto G. Direnga, of Polytecnic Institute of Brooklyn, September 10 before the industrial and engineering division of the American Chemical Society in a paper reviewing a study of the conversion of soda ash to caustic soda with respect to temperature, agitation, particle size of lime, amount of water used in slaking, presence of soda ash in the water used for slaking, previous exposure of the lime to air, reaction rate of the lime, relation between particle size of slaked lime, and the calcium carbonate produced.

An experimental study was made of the equilibrium in the reaction $CaO + H_2O \rightarrow Ca(OH)_2$. The results show that the values given in Lunge's table of causticity are inaccurate and that the values obtained by Goodwin are correct.

It was shown that settling tests must be conducted at a constant temperature and that failure to do so will give meaningless results. A new factor, the effect of exposure to the air of the quicklime before slaking on the particle size and on the settling rate of the hydrate and carbonate, was studied; and it was found that the settling rate of the hydrate as well as the carbonate was influenced to a very great extent. This factor has not been studied by other investigators and was found to be

—*Continued on page 37*

Chemical Price Average Lower

Although there was an unusual interest locally in getting supplies of heavy and fine chemicals last week because of the imminent trucking strike, the local market was weaker than some others in price structure. The net result was a noticeably lower average, the chief influences coming from needle antimony and hydrogenated coaltar solvents.

Business had some bulge of anticipation of the strike, and it was of fairly good proportions as a whole, although unseasonal weather literally and figuratively dampened things in several sections.

Prices were advanced on high and low grades of gum rosin, gum and steam-distilled wood turpentines, mangrove bark, South American tankage, high-grade dried blood at Chicago, and cottonseed meal in the Southeast.

Prices were reduced on needle antimony, cyclohexane and cyclohexanol and their methyl compounds, medium grades of gum rosin, gambiers, and wheat starch.

The REPORTER's composite index number of prices for heavy and fine chemicals was depressed to 129.5 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 91.7 compared with 88.7 at this time last year and 89.0 in 1938.

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A.C.S. Meeting In Detroit, Sept. 9

The American Chemical Society will hold its one-hundredth annual meeting in Detroit, September 9-13. The Hotel Statler will be headquarters for the convention. Registration and all divisional meetings will be held, however, in the auditorium of Masonic Temple, Second Boulevard and Temple avenue.

A general meeting will be held on the opening day of the meeting, at which the Garvan Medal will be awarded to M. E. Pennington, and the society's award will be made to Lawrence Olin Brockway. M. L. Crossley, of the American Cyanamid Company, will speak on "Certain Aspects of the Chemistry of Infectious Diseases," and Per K. Frolich, of the Standard Oil Development Company, will talk on "Butyl Rubber—A New Hydrocarbon Product." S. C. Lind, of the University of Minnesota, in his address as president of the society, will discuss "Chemistry with the Atom." More than twenty division meetings will be held, covering every field of chemistry.

Trips to many of the automobile plants and other industrial plants in the Detroit area have been arranged. The University of Michigan will act as host for an all-day trip. The golf tournament will be held September 12 at the Orchard Lake Country Club. The annual banquet will be held in the Masonic Temple September 11. Following the dinner a dance will be held in the ballroom of the Hotel Statler.

Textile Mildewproofers Tested by U.S. Bureau

Tests by the United States Bureau of Home Economics of chemical agents used as preventives of mildew on textile fabrics indicate that of all the chemical treatments used thirty-five were at least partly successful. Not all possessed every one of the desirable properties, but they all gave excellent protection against the test organism, *Chaetomium globosum*. These are now being tested for resistance to storage, weathering for different periods of time, and repeated laundering. At least ten of the effective treatments are nontoxic and are very easy to apply to the fabric. Shower curtains, porch furniture, cushions, and many other household articles could be treated with these mildew resistant finishes in the home, the investigators say.

These tests are reported to the biological division of the American Chemical Society September 10 in a paper by Helen M. Robinson, M. S. Furry, and H. Humfeld, of the bureau's division of textiles and clothing.

There are on the market at present certain chemicals which when applied to fabrics have varying success as mildew preventives. The Bureau of Home Economics has made a study of these and many other suggested methods of mildew-prevention, as well as certain chemical treatments, which have been originated in the bureau. All these finishes have been applied to unbleached cotton duck and their effectiveness in resisting mildew growth determined.

A total of about 135 treatments have been submitted to chemical, physical, and bacteriological tests. The chemicals used are classed in several divisions—chemicals which change the form of the cellulose itself; resins condensed in the fibers of the material

—*Continued on page 35*

General Chemical Starts Building Detroit Plant

The General Chemical Company, subsidiary of the Allied Chemical & Dye Corporation, has commenced construction of a plant in the Detroit industrial district. The plant is expected to be completed early in 1941.

Initial construction plans include the erection of a sulphuric acid unit. The plant, located on the Rouge river, on a site formerly occupied by the United States Fuel & Supply Company, was purchased several years ago by General Chemical, because of a large demand for its products in that territory and nearby areas. The new plant location provides adequate docking and shipping facilities.

N.W.D.A. Engages New Executive Assistant

Rogers N. Robinson has been engaged by the National Wholesale Druggists' Association as assistant to Dr. E. L. Newcomb, executive secretary of the organization. In his new post Mr. Robinson will perform the duties formerly handled by Robert Morrisson who recently became general manager for Cook, Everett & Pennell, wholesale druggist, Portland, Me. He will be located in the New York office of the association.

Mr. Robinson was born in 1909 and received his early education in Canada. Subsequently he attended the University of Minnesota, from which he was graduated in 1928. For several years thereafter he held various positions in the retailing and brokerage fields, concerned with sales, marketing, and accounting practices.

In 1935 he resumed his education at Harvard Law School, graduating in 1938 and entering the bar in Kentucky, his ancestral State. Since that time he has been connected with Federal government bureaus, first in the preparation of a legal research of the marketing laws of the various States for the Works Progress Administration, and of late as a junior counsel in the office of the solicitor-General of the Department of Agriculture.

'Dical-D' Mark Permitted

OPD Washington Bureau
August 28, 1940

Abbott Laboratories, North Chicago, Ill., was recently permitted to register "Dical-D" as a mark for medicinal wafers containing dicalcium phosphate and viosterol. The Society of Chemical Industry of Basle had objected because of its own trade-marks, "Dial-Ciba" and "Dial," but the two products were held not similar.

Columbus Chain Store Tax Injunction Issued

Columbus, Ga., Aug. 28, 1940

The city of Columbus has been permanently restrained from collecting its special chain store tax under an injunction granted to the Great Atlantic & Pacific Tea Company, by Superior Judge W. E. Thomas of Valdosta.

Judge Thomas held that the tax, providing a levy scaling down from $400 per store, was not collectable, because the city was without authority to classify a business and levy special taxes against it.

Chain Drug Association To Meet September 16

All phases of chain-store promotional activities will be discussed during the annual meeting of the Associated Chain Drug Stores to be held in the Biltmore Hotel, this city, September 16 to 18. Drug and sundry manufacturers and suppliers will be admitted only to the sessions to be held September 18.

The program arranged for the final day of the meeting, it is stated, will interest both manufacturer guests and chain-store representatives. Among those scheduled to address the gathering at that time are F. J. Griffiths, secretary of the National Association of Chain Drug Stores, who will speak on "What the Chains Can Do for the Manufacturer"; and Gene Flack, public and trade relations counsel for the Loose-Wiles Biscuit Company, who will discuss "Sales Promotions" from a broad merchandising angle.

Consumer Price Protection Considered by Retailers

OPD Washington Bureau
August 29, 1940

Development of coperation between retailers and the consumer division of the National Defense Advisory Commission to prevent unwarranted price increases and to promote a free and steady flow of goods was the major topic of a conference of retailers called here today by Miss Harriet Elliott, consumer adviser to the defense commission. Over 150 representatives of more than fifty different trade groups participated in the one-day session.

Distinguishjng between price increases caused by valid economic reasons and those attributable to a belief that a general price rise is to be expected in any wartime emergency, Miss Elliott declared that retailers and the consumers division must work together to restrain price boosts by an adequate exchange of information and a self-imposed determination to abstain from speculative profiteering. She counseled against scare advertising which urges consumers to buy before prices go up, declaring this practice to be contrary to the interests of those who wish to maintain economic stability in a time of crisis. Concluding, she expressed the hope that the conference would set up machinery for continuing cooperation between retailers and the defense commission for dealing with problems of price.

Program Proposed

Outlining a program for retailer participation in national defense, Fred Lazarus, jr., trustee of the American Retail Federation and vice-president of the National Retail Dry Goods Association, urged national trade associations to appoint committees on retail practices and prices, coordinating their efforts through a central group. He warned if retailers fail to agree on a satisfactory procedure they will only have themselves to blame when government regulation inevitably results.

To protect himself and his customers against unnecessary price increases, Mr. Lazarus pointed out, the retailer can minimize speculation in merchandise, restrain advertising that leads to consumer unrest, and collect basic statistics on the availability of consumers' goods, making that information available to the general public.

H. Gordon Selfridge, jr., formerly of Selfridge's Provincial Stores in England, related wartime experiences of British retailers during the first six months of the present war. Ben Lewis, economist for the consumer division, pledged that during the national emergency goods would flow freely and fully to consumers.

—Continued on page 34

Turner Currens Retires Succeeded by Marsters

Turner F. Currens, vice-president of the Norwich Pharmacal Company, Norwich, N. Y., and manager of its Eastern sales division with headquarters in this city, retired from active duty September 1 after more than thirty-six years of distinguished service. He will continue as a director of the company.

Turner Currens

Guy L. Marsters, director of purchases for the company and a vice-president and director, will assume

—Continued on page 50

Inert Materials for Admixture With Paint Pigments

By Wayne R. Fuller

Technical Director, American-Marietta Company

Contributed to American Society for Testing Materials and Reprinted from ASTM Bulletin

Continued from August 26 issue

Flat Wall Paints

Doubtless the most important use of extenders is in flat wall paints, as regards both the quantity of paint involved and the amount of extenders employed. The extenders that are most widely used as such in wall paints are whiting, "Surfex," fibrous talc, and diatomaceous earth. Other extenders that may be used are finely divided mica and "Metro-Nite." Although calcium sulphate or barium sulphate occurs in almost all flat wall paints, they are introduced in the form of composite titanium dioxide or zinc sulphide pigments and are not ordinarily considered as extenders.

Whiting and fibrous talc may be regarded as the standard extenders for flat wall paints and doubtless constitute the bulk of the extender used. It is difficult to discuss these materials in general terms because of the wide variation in types and properties. For example, commercial grades of whiting vary in oil absorption value from 9.3 to 72. The typical grades of whiting are natural and precipitated materials in the oil-absorption range of 10 to 16. A good grade of whiting has no marked disadvantages for wall paints. It promotes good color, good flow, and a film having a smooth texture. As suggested by its oil-absorption value, it is rather low in flatting power in comparison with the other hiding and extending pigments used in flat wall paints, excepting low and medium oil lithopone. Because of its low oil-absorption value, less nonvolatile vehicle is required when whiting is incorporated. Consequently, it may be considered as replacing a portion of the nonvolatile vehicle. Since a typical grade of whiting costs approximately 25 cents a solid gallon, the result of its use is a definite economy.

Surface-treated calcium carbonate costs about twice as much as regular precipitated calcium carbonate. Notwithstanding this higher cost, it has gained wide use in flat wall paints, primarily because it imparts improved sealing properties and improved "hold out" or succeeding coats. This is explained by the polar compound, with which the particles are coated, attracting and holding the vehicle in the film, instead of permitting it to penetrate the underlying surface.

Probably the majority of flat wall paint formulas incorporate both whiting and fibrous talc. Various grades of talc have oil-absorption values from 16 to 35, but the grades commonly used in flat wall paints probably fall in the range of 20 to 25. Differences in oil-absorption value, which depend on crystalline structure, influence consistency, ease of grinding, and texture of the paint film. Fibrous talc tends to improve brushability and effects a definite improvement in pigment suspension. It helps to prevent sagging and, concomitantly, reduces leveling. In keeping with its higher oil-absorption value, talc has greater flatting action than whiting. It is almost the same as whiting in cost per gallon.

Diatomaceous silica has been recommended and used in flat wall paints. It has approximately the same cost per pound as lithopone, presents a grinding problem, gives a surface with a rough texture, and does not promote pigment suspension. Its use springs from a single unique property: exceptional flatting power. If a dead-flat finish is desired, diatomaceous silica facilitates the attaining of this result.

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Note:—Discussion of this paper is invited, either for publication by the American Society for Testing Materials or for the attention of the author. Comment should be sent to headquarters of the society, 260 South Broad street, Philadelphia.

Drug Law Labeling Hints Mark F.D.A. Correspondence

OPD Washington Bureau
August 26, 1940

In response to inquiries from manufacturers, the Food and Drug Administration continues to clarify the food, drug, and cosmetic act in regard to the labeling of various drug products. The answers are in no sense official rulings, and may be changed at any time. Here are some of interest:—

Outside Labeling

Both the warnings and the directions for use should be placed on the label attached to the container of a drug, and also on the outside package where it will be available before the purchase is made, a manufacturer was told. The information may be placed either in front of the carton or on the back panels. It is not advised that the directions for use be placed on the outside container and the warnings omitted, even though the directions are repeated with the warnings on the stuffer within the container.

Light Mineral Oil

Where it is decided to market a light white mineral oil as a laxative, the label should make clear that the product is not the heavy oil, and that the dose is materially less. Directions for use should advise a further reduction of the dose if leakage occurs.

Vitaminized Oils

If a manufacturer changes the kind of fish oil or edible vegetable oil used in his vitamin-carrying oil for human consumption, his label may state the product "consists of natural vitamins A and D from a concentrate of fishliver oil blended with the fish oils and a pure edible vegetable oil". Ordinarily the label is required to identify the specific fish and vegetable oil used. The administration reserves the right to change its position if it finds the consumer is being deprived of necessary information.

Analgesic Tablets

In analgesic tablets consisting of 5 grains of aspirin, 5 grains of citrated caffeine, and 5 grains of capsicum, the label should make clear that the product tends temporarily to relieve minor menstrual pains, and should not imply it is a specific for pains associated with menstruation.

Mercury Lipoid

In view of the doubt as to the exact chemical composition of mercury lipoid, the label on an ointment containing this substance should indicate the proportion of mercury lipoid present in the product and its equivalent in metallic mercury.

Nonnarcotic Cathartics

The phrase, "No narcotic or opiates," should be generally discour-

—Continued on page 50

FINE CHEMICALS
Mallinckrodt
SINCE 1867

POTASSIUM BICARBONATE

Manufactured by MALLINCKRODT

AVAILABLE in TONNAGE QUANTITIES

Mallinckrodt Potassium Bicarbonate is an excellent quality product, fully meeting the U.S.P. specifications. The following physical forms are available for prompt shipment from stock:

POTASSIUM BICARBONATE U.S.P. XI GRANULATED
About No. 30 mesh

POTASSIUM BICARBONATE U.S.P. XI POWDERED
About No. 80 mesh

POTASSIUM BICARBONATE U.S.P. XI...Finely Granulated
About No. 50 mesh

POTASSIUM BICARBONATE A.R. GRANULATED

Special meshes available to meet specifications of individual manufacturers

Send for samples and prices

Bottle or Barrel
Mallinckrodt Spells Quality

MALLINCKRODT CHEMICAL WORKS

2nd & Mallinckrodt Streets
St. Louis, Missouri

70-74 Gold Street
New York, N. Y.

CHICAGO PHILADELPHIA MONTREAL TORONTO

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Current Market Quotations

August 30, 1940

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

cia (see Gum, arabic).
tal, dms., dlvd.....lb. .75 - 1.00
taldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
tamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
ch., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
etanilide, tech., chips, 95-98%, bbls..lb. .22 - —
cryst., bbls.....lb. .29 - .31
powd., bbls.....lb. .27 - .29
SP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
etoacetanilide, dms.....lb. .47 - .65
etone, CP, dms., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .07 - —
tanks, dlvd.....lb. .05 - —
Methyl (see M).
etophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
etophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
id, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville...lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
cetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys., cs.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys., cs.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys., cs.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys., cs.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5% bbls.....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
tanks .....100 lbs. 5.00 - —
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
ynth., 99.5%, al. dms..... 100 lbs. 8.43 - 8.68
cbys., cs.....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys., cs.....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys., cs.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys., cs.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys., cs.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys., cs.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities: the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C. Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore. and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Adipic, fib. dms., works.....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs ...lb .22 - .25
Ascorbic, bots., dms .. oz 2.00 - 2.05
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex whse...ton.108.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld...ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse...ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse...ton.123.00 - —

Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .13 - .13½
Caproic, dms., works.....lb. .30 - .35
Carbolic (see Phenol).
Caprylic, dms.....lb. .17½- —
Castor oil, split, dms.....lb. .16 - .17
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¼- —
l.c.l., 5 tons, dlvd., N. Y. lb. .15¾- —
smaller quantities, dlvd. N.Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20¼- —
smaller lots.....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23¼- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y., Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10 - .10½
Corn, dist., dms.....lb. .08½- .09
Cottonseed oil, dist., dms....lb. .07¾- .08
tanks .....lb. .07¼- —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis...gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms...gal. .65 - .70
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East, U.S...gal. .43 - —
l.c.l., same basis.....gal. .44 - .45
tanks, dlvd., East U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East., U.S..gal. .49 - —
l.c.l., same basis...gal. .50 - .51
tanks, dlvd., East. U.S..gal. .448 - —
Crotonic, 10 bbls. or more, dlvd..lb. .21 - —
smaller lots, dlvd.....lb. .26 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 and over.....lb. .11 - —
1-24 .....lb. .11½- —
Fumaric, bbls., 1-ton delivery.. lb. .24 - —
smaller lots.....lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
N. F., VI. bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs. or cbys.....lb. .17 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - —
7-lb. bots.....lb. 2.63 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, U.S.P., 48%...lb. .48 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .66 - .06½
rubber dms.....lb. .08 - .08½
48%, lead cbys.....lb. .12 - —
rubber dms.....lb. .11 - —
52%, lead cbys.....lb. .13 - —
rubber dms.....lb. .12 - —
60%, lead cbys.....lb. .14 - —
rubber dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs. bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works.. 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works..... 100 lbs. 6.50 - —
l.c.l., works....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19, cbys.....lb. .11 - .12
1 to 4, cbys.....lb. .11½- .12½
Lactic, plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¾- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms.....lb. .11½- .12
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .12¼- .12¾
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works.....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works.....100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works.....100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P. dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .16 - .16½
Naphthenic, dom., acidity 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb.15.00 -15.50
5-lb. bots.....lb.16.50 - —
1-lb. bots.....lb.17.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24 works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24 works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs and over.....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palmitic, bgs.....lb. .09¾- .10¼
Palm oil, white, dist., dms...lb. .06¾- .07¼
tanks .....lb. .06¼- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1,347, cbys., 70 lbs..lb. .12 - —
dms., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.20 - —
cns. .....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.25 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works.....lb. .27 - —
l.c.l., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works...lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .08 - .08½
Stearic, dist., double pressed, bgs., dlvd..lb. .09 - .10
single pressed, bgs., dlvd..lb. .08½- .09¼
triple pressed, bgs., dlvd..lb. .11¾- .12¾
saponif., double pressed, bgs., dlvd..lb. .09¼- .10¼
triple pressed, bgs., dlvd..lb. .12 - .13

Acacia—Alcohol

Acid, succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. lots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. lots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms.....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs.....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment.....lb. .41¼- —
smaller quantities....lb. .41¾- —
kgs. .....lb. .42¼- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works....lb. No prices
Chem. grade, kgs., works..lb. No prices
Aconite leaves, bls.....lb. .32 - .34
Root, bls.....lb. .45 - .50
Aconitine, amorph., bots.....oz.23.00 - —
vis. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vis. .....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .26½- .27
hyd., dms.....lb. .24½- .25
Agar, 1, bls.....lb. 1.40 - 1.45
3, bls.....lb. No prices
Agaric, white, bls.....lb. 5.00 - 5.25
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import ,bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. .54 - .60
powd., dms., bbls.....lb. .59 - .65
import, cs.....lb. .60 - .62
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
normal, dms., l.c.l., wks....lb. .25 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works...lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
tanks, frt. alld.....lb. .08 - —
tankwagon, frt. alld.....lb. .08¼- —
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms..lb. .12¼- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
Import, 85%, 100-lb. dms....lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l, 350-lb. dms.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .25½- —

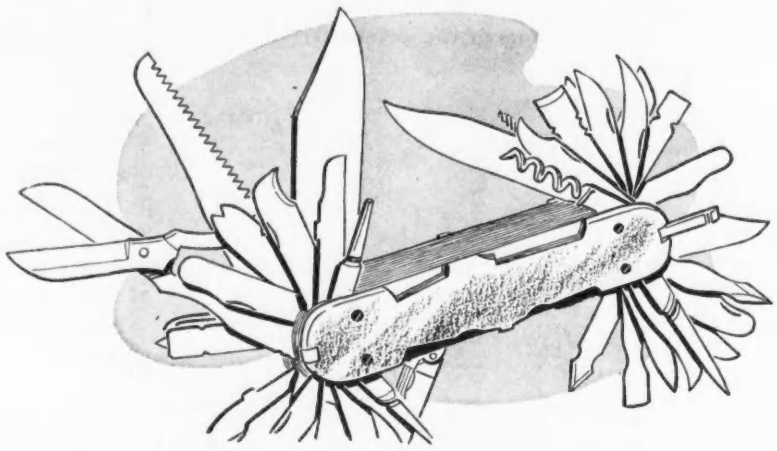
Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI 190 pf., bbls., c.l., E. works..gal. .29½- —
19 bbls., E. works....gal. .31½- —
1 to 18 bbls., E. works, gal. .34½- —
dms., c.l., E. works..gal. .28½- —
19 dms., E. works...gal. .30½- —
1 to 18 dms.....gal. .33½- —
tanks, E. works.....gal. .22½- —

Anhydrous 3c. per gal. higher.

SD-2B, dms., c.l., works, E. gal. .26½- —
19 dms., works, E...gal. .28½- —
1 to 18 dms., works, E. gal. .31½- —
tanks, E. works.....gal. .20½- —
SD23G, works, E., c.l., dms., gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks .....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.



SPEAKING OF VERSATILITY–THIS HAS NOTHING ON THE

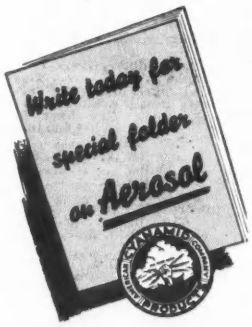
Aerosol Wetting Agents

If you have a problem in wetting, *consider* AEROSOL*.
It is the most versatile wetting agent known—for two outstanding reasons:

1. Because it may be used with organic liquids as well as water.
2. Because there is a wide variety of specific AEROSOLS for specific purposes.

Here is a sample of the wide scope of industrial uses of this versatile wetting agent:

Modifying the filtering characteristics of certain metal ores.
Promoting efficiency in degreasing, and in cleaning metal parts after case hardening.
In plating operations to prevent spotting during rinsing.
As an ingredient in metal polishes.
In the varnishing of tin cans.
To prevent dust explosions in the mining of coal.
In metal grinding emulsions.
In the production of pigments, paints and inks.
In the manufacture of rubber products.
In dry cleaning agents, cleaners for shoes, dishes, mothproofing solutions.



In your case too, there may be a problem AEROSOL can solve.

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Alcohol, special solvent, dms., c.l., frt. alld..lb. .22½- —
l.c.l., frt. alld.....lb. .23½- —
tanks, frt. alld.....lb. .21½- —
1 to 10 dms.....gal. .34½- —
tanks, E. works.....gal. .23½- —
Tankcar sales require written authorization by Alcohol Tax Unit
Diacetone, acetone-free, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
cns., works.....lb. .16½- .18½
tanks, dlvd.....lb. .11 - —
tech., dms., c.l., dlvd.....lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
cns., works.....lb. .16 - .18
tanks, dlvd.....lb. .10½- —
Ethyl, 190 pf., ex. molasses, bbls., c.l..gal. 5.99½- —
10 bbls.....gal. 6.03 - —
1 to 18 bbls.....gal. 6.06 - —
dms., c.l.....gal. 5.98½- —
10 dms.....gal. 6.02- —
5 to 18 dms.....gal. 6.05 - —
1 to 4 dms.....gal. 6.07 - —
tanks .....gal. 5.92½- —
absolute, dms., c.l.....gal. 6.33½- —
10 dms.....gal. 6.37 - —
1 to 18 dms.....gal. 6.40 - —
1 to 4 dms.....gal. 6.42 - —
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
Tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs, works, lb. .20 - —
l.c.l., 500 lbs, and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0690- —
tanks, same terms.....lb. .0590- —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b. dest..gal. .65 - —
55 gal., c.l., same basis, gal. .33½- —
l.c.l., same basis...gal. .38½- —
tanks, frt. alld.....gal. .28½- —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis...gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cans.....lb. 2.30 - 2.35
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .60 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .60 - .65
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .40 - .42
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .42 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .80 - .85
peeled, bls.....lb. .58 - .63
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 6.50 - —
dlvd., N.Y., Phila..100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd. N.Y., Phila..100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N.Y., Phila..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd N. Y. prices apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd. N. Y., Phila..100 lbs. 3.75 - —
lump, bbls., works.....100 lbs. 4.00 - —
dlvd. N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd..lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd. lb. .45 - —
solut., 17%, bbls., c.l., dlvd..lb. .09½- —
l.c.l., 10 or over, dlvd. lb. .11 - —
1 to 9, dlvd.....lb. .12 - —
normal, pwd., bbls., dlvd. lb. .22 - —
smaller containers, dlvd. lb. .35 - —
solut., 20%, bbls., c.l. dlvd..lb. .08 - —
l.c.l., 10 or over, dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
140 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02½- —
l.c.l., works.....lb. .03½- —

Alumina, formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .18 - —
l.c.l. .....lb. .19 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works.....100 lbs. 1.35 - —
l.c.l., works, frt. equaled, 100 lbs. 1.60 - —
iron-free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works.....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum 98-99%, c.l.....lb. .18 - —
l.c.l. .....lb. .19 - —
paste, lining, extra fine, dms., 1,500 lbs...lb. .61 - —
ink, dms., 1,500 lbs.....lb. .71 - —
standard, dms., 1,500 lbs..lb. .38 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .56 - —
standard, dms., 1,500 lbs..lb. .56 - —
rubber compound, dms., 1,500 lbs..lb. .39 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.17.00 -26.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.23 - 4.25
Ammonia, acetate, bbls., kgs., dvd..lb. .27 - .33
dms., dlvd.....lb. .28 - .35
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va.....ton.90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N. Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l. .....lb. .02½- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs. or less.....lb. .42 - —
Bicarbonate, bbls., dlvd., Met. N. Y..lb. .0556- —
kgs., same basis.....lb. .0606- —
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, bbls., dlvd., Met. N.Y..lb. .08 - —
kgs., same basis.....lb. .11 - —
cns., same basis.....lb. .13½- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .85 - —
cns. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. .17 Nom.
Persulphate, kgs., dom.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. 1.55 & .79
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- —
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l. contr., f.o.b. cars, ports, July-Dec. shipt..ton.28.00 - —
spot, same basis.....ton.29.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .12 - .13
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .07½- —
dms., works.....lb. .05½- —
yellow, 53%, cbys., works..lb. .07½- —
dms., works.....lb. .05½- —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —

Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.00 - 5.15
import, csks. .....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
cns., works.....lb. .16 - .18
ex Pentane, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .09½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works..lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works.lb. .26 - —
Amylene, dms., c.l., works....lb. 1.02 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .40
import, natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .28 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .14 - .15
Cyprus, bgs.....lb. .16 - .16½
Mexican, bgs.....lb. .13½- .14
Spanish, bgs.....lb. .27½ Nom.
Star .....lb. .16½- .16¾
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .84 - .89
seed, bgs.....lb. .06½- .07
Anthracene, 80 85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls, lb. .65 - —
Antimony butter (see Antimony chloride).
Chlor'de, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, powd.....lb. .18 - .22
Oxide, bgs., c.l.....lb. .13 - .14
l.c.l. .....lb. .14½- —
Salt, 65%, dms.....lb. .30 - —
bbls. .....lb. .38 - —
White pigment, bgs., f.o.b. Laredo, Tex..lb. .18 - .16
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .12 - .13
Arecoline hydrobromide, bots..oz. 5.00 - 6.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. .85 - .90
Root, bls.....lb. .43 - .55
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03¼- —
l.c.l. .....lb. .04 - —
Asafetida, cs.....lb. .33 - .34
powd., bbls., bxs.....lb. .56 - .57
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons). Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (80 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (80 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (80 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (80 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (80 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (80 tons). Canad. mines..ton 15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05¾- —
process form, bgs., 20 tons, f.o.b. plant.....lb. .05 - —
smaller lots f.o.b. plant..lb. .06 - —
California, dms., c.l., f.o.b. N. Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....tan.36.50 - —
Cuban A, bgs, c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l, f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Glisonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.00 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.32.90 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 5.75 - 6.00
Sulphate, bots.....oz. 4.00 - 4.75

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 2.50 - 2.60
sodium, cs.....lb. 2.75 - —

Alcohol—Bismuth Triox.

Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton.45.00 -47.00
99% thru 200 mesh, bgs., c.l., works..ton.47.00 -49.00
precip., bgs., c.l., works..ton.47.50 -50.00
l.c.l., works.....ton.52.50 -55.00
bbls., c.l., works.....ton.52.50 -55.00
l.c.l., works.....ton.57.50 -60.00
sulphur-free, bgs., c.l., works, ton.57.50 - —
l.c.l., works.....ton.62.50 - —
Chlorate, kgs.....lb. .25 - .30
Chloride, CP, cryst., bbls....lb. .26 - —
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis ton.90.00 - —
bbls., same basis...ton.92.60 - —
Zone 2, bgs., c.l. dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis...ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l. dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis.ton.96.00 - —
bbls., same basis...ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .14 - .15
Hydrate (see Hydroxide).
Hydroxide, bbls., imp.....lb. .05½- .06
dom., works.....lb. .06½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .08½- .10½
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis. ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York.....ton.31.50 - —
Southern off color, bulk mines, ton.12.00 - —
95.75%, bulk, mines.....ton.16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a...ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a...ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 10.00
Bay leaves (see Laurel leaves)
Bay rum, import., bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. .70 - .75
Root, bls.....lb. .78 - .80
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .55 - .60
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls..... .....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns..lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb.17.25 -17.50
Hydrochloride, cns.....lb.17.25 -17.50
Sulphate, cns.....lb.17.25 -17.50
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs.lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fig. dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.28 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 2.10 - —
cns., kgs.....lb. 2.10 - —
Subbenzoate, 5-lb. bots.....lb. 2.36 - —
fib. dms.....lb. 1.15 - —
Subcarbonate, bots., cns.....lb. 1.82 - 2.06
fib. dms.....lb. 1.75 - 1.76
X-ray, 5-lb. bots.....lb. 2.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.06
fib. dms.....lb. 1.66 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.96 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.65
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 60-66%, bots..lb. 2.80 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —

Bis.-Ammo. Cit.—Chloral Hyd.

Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
flb. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l., frt. alld. E., lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E., lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03075- —
f.o.b. North Atlantic ports, lb. .03950- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07025- —
dlvd..lb. .07025- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02925- —
f.o.b. North Atlantic ports, lb. .0380- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06525- —
dlvd..lb. .06525- —
bulk, cars, c.l., f.o.b. plants, lb. .02¾- —
f.o.b. New York harbor..lb. .0363- —
All carbon black prices are for delivery in August-September.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08⅝- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .29 - .30
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., l.c., works, frt. equald..ton.70.00 - —
l.c.l., same basis....ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.25 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 2.50 - —
import, bgs., c.l.f. ports, ship..unit-ton. 2.45 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls., 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns.....lb. 1.57 - 1.59
powd., cns.....lb. 1.60 - 1.62
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 -33.00
import, bgs., c.l.f. ports..ton.31.00 - —
Meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
import, 100-lb. bgs., c.l.f. ports, ship..ton.32.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
Bone, steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.28.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .35 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld., ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld....ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .12 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11¼- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bgs., c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis...lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09 - —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .08¼- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis...lb. .07½- —
11, bbls., same basis...lb. .07 - —
12, bbls., same basis...lb. .06½- —
13, bbls., same basis...lb. .06¼- —
14, bbls., same basis...lb. .05¾- —
raw, American, bbls., f.o.b. works..lb. .02⅞- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12¾- —
2, bbls., same basis...lb. .11¼- —
3, bbls., same basis...lb. .12¾- —
4, bbls., same basis...lb. .09¾- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .08¼- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis...lb. .07 - —
11, bbls., same basis...lb. .06½- —
12, bbls., same basis...lb. .06¼- —
13, bbls., same basis...lb. .05¾- —
14, bbls., same basis...lb. .05¼- —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04¼- —
St. Louis.....lb. .04¾- —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05 - —
ex whse., Los Angeles, Portland, San Francisco, Seattle..lb. .05⅛- —
Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans..lb. .05 - —
Kansas City.....lb. .05½- —
Minneapolis.....lb. .0510- —
Pittsburgh.....lb. .04¾- —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .62 - .65
Buckthorn bark, true, bls.....lb. .45 - .50
cut and sifted, bbls.....lb. No prices
Berries, bgs.....lb. .28 - .30
Burdock root, bls.....lb. .19 - .24
Burgundy pitch, dom., dms...lb. .05½- .06
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks., lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
tanks, frt. alld.....lb. .08 - —
tankwagons, frt. alld.....lb. .08½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .07½- —
dms., l.c.l., same terms.lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l.....lb. .23 - —
Crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks.....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cns.....lb. 4.05 - —
Lithopone (see Yellow).
Cadmium, metal, pat., shapes, cs..lb. .85 - —
ingots or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100 lb. dms., lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lb. cns.....lb. 2.70 - —
1,000 lbs. or more, 100 lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. dms.....lb. 2.75 - —
100 lbs. or more, 100 lb. dms..lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10 lb. cns..lb. 3.15 - —
5 lb. cns.....lb. 3.10 - 3.25
Citrated, bots.....lb. 2.30 - 2.35
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .50
Calamus root, peeled, N. F., cs., lb. .40 - .45
bleached, bls.....lb. 1.90 - 1.25
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06¼- —
l.c.l.....lb. .06¾- —
Southern cotton states, dms., c.l..lb. .06 - —
l.c.l.....lb. .06¼- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse..... 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-88%, dms., c.l., dlvd..ton.20.50 -35.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., powd., 150-lb. bbls..lb. .50 - —
dms.....lb. .55 - .57
cns.....lb. .68 - .85
Glycerophosphate, flb., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .23 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports..ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.i.f., Atlantic ports, shipt...unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., 1 ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80% CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs. lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .60 - .72
Calomel, bbls., flb., dms., kgs., 50 lbs. or more..lb. 2.95 - —
Camphor, natural, powd., cs..lb. .83 - .84
slabs, cs.....lb. .83 - .84
tablets, tins.....lb. .87 - .88
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots...lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs..lb. .0340- .0360
Morocco, bgs.....lb. .0370- .0390
Turkish, bgs.....lb. .0330-.0360
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.50 - 2.55
Capsicum (see Pepper, red).
Caraway, Dutch.....lb. .23 - .23½
Russian.....lb. .22 - .22½
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
95%, dms., ton lots, works...lb. .75 - —
smaller quantities, works..lb. .85 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl (see Alcohol, isoamyl).
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R...lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08¾
Dioxide, cyls.....lb. .06 .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l.....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l.....gal. 1.17 - —
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.
Cardamom, bleached, cs.....lb. 1.15 - 1.50
decorticated, cs.....lb. .81 - .82
green, bgs.....lb. .61 - .62
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .14 - .16
Case - hardening mixture, 30%, lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .11¼- .14
5 tons, works.....lb. .11¾- .14½
smaller lots, works.....lb. .12¼- .15
80-100 mesh, bgs., c.l.....lb. .11¾- .14½
5 tons, works.....lb. .12¼- .15½
smaller lots, works.....lb. .12¾- .16
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .11½- .12½
80-100 mesh, bgs., c.l., duty paid..lb. .12 - .13
French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .17¼- .17¾
No. 1, regular, bls.....lb. .16 - .16¼
shortstick, bls.....lb. .13 - .13¼
broken, bls.....lb. .12¼- .12¾
China, rolls, select, bls....lb. .12 - .12½
broken, extra, bls....lb. .11½- .12
Saigon, bls.....lb. .15 - .16
Cassia buds, cs.....lb. .13¼- .13½
Cassia fistula, bskts.....lb. .16 - .18
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't., c&f, N.Y...ton.48.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .39 - .40
Indian.....lb. .17½- .18
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
Acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld.lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld., lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .70 - .75
Roman, bls.....lb. 1.40 - 1.45
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo.....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis., ton.27.00 - —
Indiana.....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia.....ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan.....ton.32.80 - —
Ohio.....ton.32.80 - —
Penn.....ton.34.80 - —
Utah.....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works, ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila...ton. No prices
powd., cks., l.c.l., ex dock, ton. No prices
ex whse.....ton. No prices
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —

Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine, liq., cyls., c.l., divd., N. Y..lb. .05¼-
contracts, divd., N. Y..lb. .05¼-
l.c.l., divd., N. Y.....lb. .07¼-
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works..lb. 5.00 - 5.50
Chloroform, tech., 650-lb. dms..lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., works..lb. .80 - —
100-lb. cyls., works.....lb. .85 - —
5-25-lb. cyls., works.....lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., divd..lb. .13½- —
solut., 8½%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .75 - .80
20 in., thick, cs.....lb. .75 - .80
20 in., medium, cs.....lb. .75 - .80
USP, broken quill, red, bgs., lb. .21 - .23
yellow, bgs.....lb. .21 - .23
Cinchonidine, small crys., cns., 100 ozs..oz. .89 - —
Sulphate, N.F., cns.100 ozs..oz. .53 - —

Cinchonidine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns..100 ozs.oz. .66 - —
Sulphate, N.F., cns.100 ozs..oz. .42 - —

Cinchonine buyers must pay a surcharge of 7c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.40 - —
1 and 5-lb. bots.....lb. 3.50 - 3.55
100 lbs., dms.....lb. 3.30 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .16¾- .17
3 bls.....lb. .16 - .16½
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars.....lb. .95 - .97
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Amboyna, bgs.....lb. .24½- .25
Cloves, Madagascar.....lb. .16¼- .16¾
Zanzibar.....lb. .16¼- .16¾
Clover tops, red, bgs.....lb. .40 - .45
dom., bgs.....lb. .33 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., divd., lb. .80¼- —
Carbonate, powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1 %, bbls.....lb. .13 - —
2 %, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., divd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs....lb. .1040- —
Cocillana bark, bgs.....lb. .28 - .30
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 oz.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.20.00 -25.00
Colchicum seed, bgs.....lb. 1.05 Nom.
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .55 - .64
Colombo root, bls.....lb. .15 - .16
Coltsfoot leaves, bgs.....lb. .25 - .27
Condurango bark, bgs.....lb. .11 - .12
Conium leaves, bls.....lb. .30 - .32
Copaiba balsam, Para, cns.....lb. .31 - .32
S.A., USP, cns.....lb. .33 - .34
Copper acetate, normal, bbls., divd..lb. .22 - —
smaller containers, divd..lb. .24 - —
Carbonate, 52-54%, bbls.....lb. .1570- —
Chloride, cryst., bbls.....lb. .15¾- .16
Cyanide, tech., bbls.....lb. .34 Nom.
Iodide, bots.....lb. 5.15 - 5.19
Metal electrolytic.....lb. .11 - —
Nitrate, cryst., bbls.....lb. .16¼- —
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, 79-80%, bbls., tons, works..lb. .18 - —
Red, com'l., 80-88%, kgs., f.o.b. N.Y..lb. .19¼- —
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23½- .24½
Sulphate, 99% cryst., bbls., c.l., f.o.b. works..100 lbs. 4.45 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.60 - —
6-15 bbls., same basis, 100 lbs. 4.80 - —
1-5 bbls., same 100 lbs. 5.05 - —
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 8.95 - 9.20
works..100 lbs. 8.95 - 9.20
l.c.l., dealers.....100 lbs. 9.95 -10.20

Copperas, cryst., gran., bgs., c.l., works..ton.18.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 cr over, works, 100 lbs. 1.55 - —
5-24, works.....100 lbs. 1.65 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipt.....lb. .0140 Nom.
Coriander, bags.....lb. .0450- .0480
bleached, bgs.....lb. .08 - .08½
Corn sugar, tanner's chipped, bgs., c.l., divd..100 lbs. 3.39 - —
slabs, bbls., c.l.....100 lbs. 3.31 - —
solid, bbls., c.l.....100 lbs. 3.43 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.42 - —
43°, bbls., c.l.....100 lbs. 3.47 - —
Cornsilk, bls.....lb. .15 - .16
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.39 - —
gran., powd., dms., 50 lbs. or more..lb. 2.24 - —
Cottonroot bark, bls.....lb. .10 - .11
Cottonseed, hull ash, 32-36% pot-ash, bgs., divd., unit-ton. 1.10 - —
meal, 8%, Southeast, mills..ton.28.50 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .16 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .34¼- —
smaller lots, bbls.....lb. .34¾- —
kgs.....lb. .35¼- —

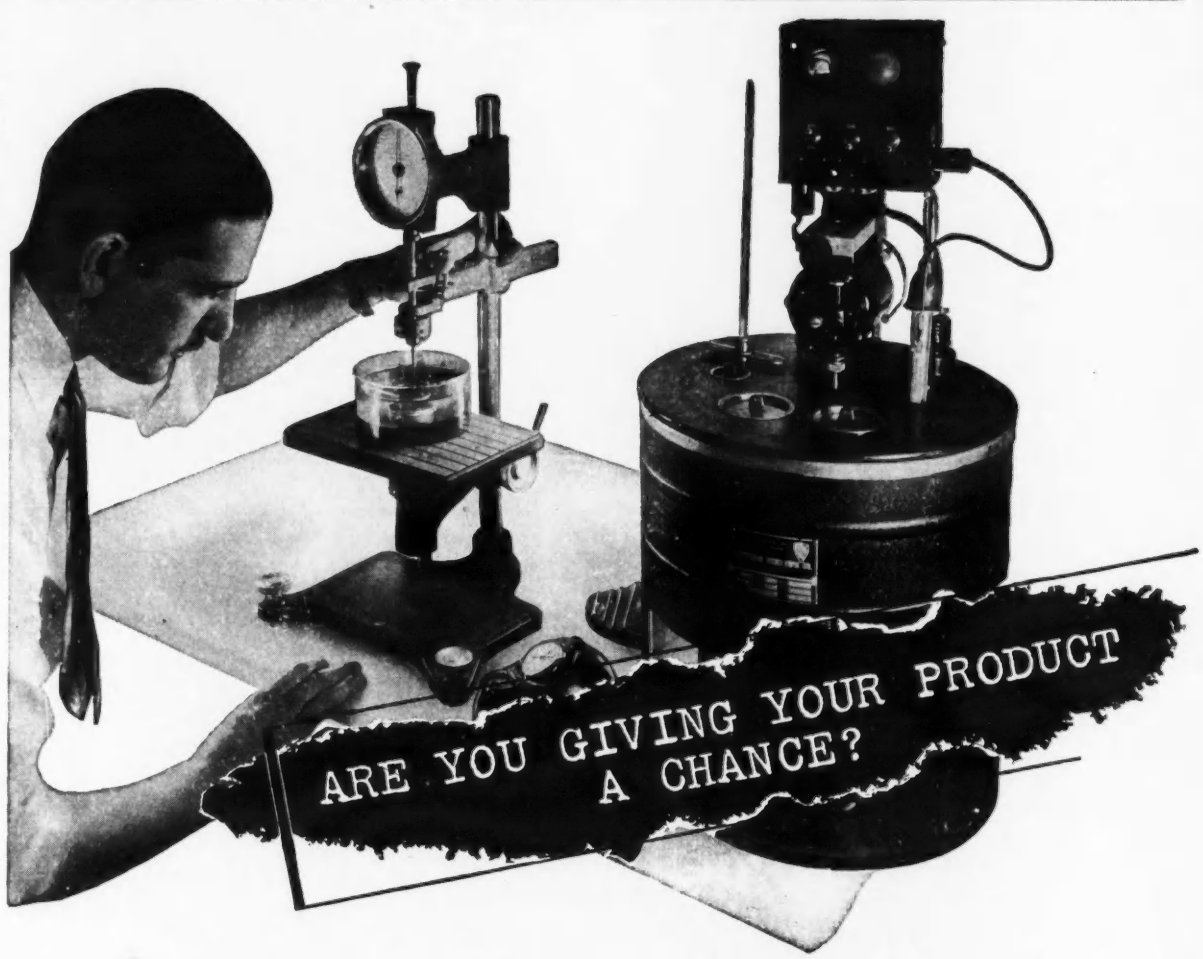
Creosote, beechwood, bots.....lb. No prices
hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.90 - 2.29
Oil, crude, tanks, works...gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works..lb. .09¾- —
l.c.l., same basis.....lb. .10¼- —
special resin grade, dms., c.l., works..lb. .08¾- —
l.c.l., same basis.....lb. .09¼- —
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .24 - .25
2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .26 - .27
200 lbs. to 1,000 lbs.....lb. .27 - .28
4% rotenone prices are 4c. per lb. less.
Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.
Cubeb berries, XX, bgs.....lb. .42 - .44
powd., cs.....lb. .47 - .48
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .17 - .18
Cyprus, bgs.....lb. .16 - .16¼

Chlor. Rubber—Derris Rt.

Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04½- —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N..unit-ton. 1.40 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., dlvd. lb. .17 - —
Cyclohexanol, 98-100%, dms., dlvd..lb. .26 - —
Cyclohexanone, 98-100%, dms., dlvd..lb. .40 - —

D

Damiana leaves, bls.....lb. .17 - .24
Dandelion root, German, bls...lb. .60 - .65
Decanol, normal, tech., 360 lb. dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .12 - .14
Degras common, dom., bbls...lb. .08 - .09½
neutral, dom., bbls.....lb. .13½- .16½
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y., frt. equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28



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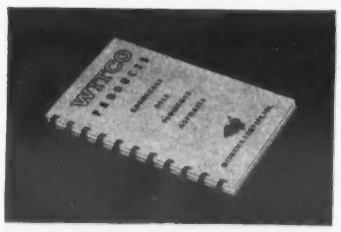
That grooming is being provided today in an increasing number of instances by chemical research—not only on the part of the manufacturer of the finished product but also by the producer of the basic materials of which it is made.

As a leading producer and exporter of such basic materials as chemicals, oils, pigments, and allied products, Witco is equipped to give customers efficient cooperation through its new research laboratory in Chicago. This laboratory is designed to help customers by developing better product ingredients and adopting them to modern product needs.

It may be that Witco research, augmenting your own, can help uncover a latent advantage in a product of yours—or eliminate a disadvantage. Again it may supply a new property . . . or find a key to greater sales appeal . . . or open the way to new applications. Witco's staff is a carefully selected one, and works with the most modern facilities for testing, analyzing and experimenting. Among the industries now being served by this laboratory are the chemical, rubber, paint, ink, textile, plastic, leather, paper, oil, steel, cosmetic and soap industries.

Witco invites you to try Witco products and take advantage of the special research facilities behind them.



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Derris Rt.—Glauber's Salt

Derris root, powd., 2,000 lbs. to 10,000 lbs..lb. .26 - .30
1,000 lbs. to 2,000 lbs.....lb. .28 - .32
200 lbs. to 1,000 lbs.....lb. .30 - .34
4% rotenone prices are 6c. per lb. less.

Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk, cns....lb. 2.25 - 3.25
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.05 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.00 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.75 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.95 - —
Potato, import, bgs.....lb. .06½ Nom.
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .035 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .80 - —
Phthalate, dms., c.l., dlvd....lb. .21 - —
l.c.l., dlvd.....lb. .21½ - —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., bgs., l.c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -50.00
import, bgs., c.l., c.l.f.....ton. No prices
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .51 - .53
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½ - —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½ - .25½
Sebacate, dms., works.....lb. .50 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221- —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½ - —
l.c.l., works.....lb. .24½ - —
tanks, works.....lb. .22½ - —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylcarbonate, comi., dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Oxalate, dms., l.c.l., dlvd....lb. .27 - —
Phthalate, dms., c.l., frt. alld., lb. .19 - —
l.c.l. .....lb. .19½ - —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½ - —
l.c.l., works.....lb. .15½ - —
tanks, works.....lb. .13½ - —
Digitalis leaves, dms.....lb. .35 - .40
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .11 - .12
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½ - —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½ - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls, 80° min., lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½ - —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Doggrass root, cut, N. F., bls.lb. .35 - .40
Dogwood bark, Jamaica, bls., lb. .08 - .10
Dovers powder, USP, cns.....lb. 2.75 - 2.90
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1 cns..lb.13.50 - —
FD&C blue, No. 2, cns.....lb.13.50 - —
FD&C green, No. 2, cns....lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
Green, FD&C green, No. 1, cns. lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —

Dyes, coaltar (certified colors), for food, drugs and cosmetics:—
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 2, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1, lb. 8.35 - —
Blue, D&C blue, No. 6....lb.13.50 - —
Brown, D&C brown, No. 1, cns. lb.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4 cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
D&C orange, No. 11, cns...lb.17 25 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C, red, No. 17.....lb. 8.35 - —
D&C, red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —
Dyes, coaltar (certified colors) for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext.D&C, green, No. 1, cns..lb.12.35 - —
Red, Ext.D&C, red, No. 1, cns..lb.10.35 - —
Ext.D&C, red, No. 3.....lb.21.85 - —
Ext.D&C, red, No. 8.....lb. 7.85 - —
Ext.D&C, red, No. 10, cns.. lb.12.35 - —
Ext.D&C, red, No. 13, cns.. lb.12.35 - —
Yellow, Ext.D&C, yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
176 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .85 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
608 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p. c. paste.lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
865 Nigrosin derivatives...lb. .38 - .62
Blue:—
1075 Alizarin astrol base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Orange, red shade....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .38 - .44
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
231 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base...lb. .85 - —

Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G...lb. .40 - .52
332 Bismarck Brown R...lb. .40 - .52
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .54 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX...lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crosein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S...lb. .88 - —
138 Metanil yellow.....lb. .53 - —
638 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .18
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .59 - .62
imported .....lb. .50 - .55
Elder flowers, bright, bls.....lb. .50 - .55
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. 11 - 19
powd., bbls, bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .31
Emetine hydrochloride, bots...oz.24.00 -28.00
Ephedra, bls..... .....lb. .12 - .13
Ephedrine, tins, 1,000 ozs.....oz. .85 - —
tins, 100 ozs.....oz. .95 - —
Hydrochloride, tins, 1,000-oz lots..oz. .65 - —
tins, 100-oz. lots.....oz. .75 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .65 - —
tins, 100-oz. lots.....oz. .75 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 2.75 - 2.80
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.36.00 - —
Sulphate, bots.....oz.36.00 - —
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works....lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07 - —
l.c.l., frt. alld.....lb. .07½ - —
tanks, frt. alld.....lb. .06 - —
95-98%, dms., c.l., frt. alld.lb. .07¼ - —
l.c.l., frt. alld.....lb. .07¾ - —
tanks, frt. alld.....lb. .06¼ - —
N.F., 400-lb. dms.....lb. .09½ - —
cns., 35 lbs.....lb. .14 - —
Acetoacetate, dms., c.l., wks..lb. .27½ - —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Carbonate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55-gal. dms., dlvd., lb. .35 - —
1-gal. cns.....lb. 1.00 - —
5 and 10-gal. dms., dlvd....lb. .75 - —
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works.lb. .33½ - —
5-gal. dms., works.....lb. .37½ - .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots, cns.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
500 lbs. or more, frt. alld., lb. .47 - —
500 lbs. or more, frt. alld..lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0595- —
West of Rockies, same basis..lb. .0644- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0694- —
West of Rockies, same basis..lb. .0743- —
Ethylenegiycol, dms., c.l.....lb. .14½ - —
l.c.l. .....lb. .15½ - .18¼
tanks .....lb. .13½ - —
Monobutylether, dms., c.l., works, lb. .16½ - —
l.c.l., works.....lb. .17½ - .20½
tanks, works.....lb. .15½ - —
Monoethylether, dms., c.l., works, lb. .14¼ - —
l.c.l., works.....lb. .15½ - .18¼
tanks, works.....lb. .13½ - —
Monoethylether, acetate, dms., c.l., works..lb. .11½ - —
l.c.l., dms.....lb. .12½ - .15¼
tanks, works.....lb. .10½ - —
Monomethylether, dms., c.l., works..lb. .15½ - —
l.c.l., works.....lb. .16½ - —
tanks, works.....lb. .14½ - —
Ethylidinaniliin, dms.....lb. .45 - .47¼
Eucalyptol, cns., dms.....lb. .80 - .85
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .10 - .11

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
l.c.l., minimum 2 tons..ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Indian, bgs.....lb. .13½ - .14
French, bgs.....lb. .35 Nom.
German, large, bgs.....lb. .33 Nom.
Roumanian, bgs.....lb. .14 - .14½
Fenugreek seed, bgs.....lb. .04½ - .05
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .13 - —
smaller lots, works...lb. .14 - —
light, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller Lts, works...lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .15 - —
smaller lots, works...lb. .16 - —
Fir balsam, Canada, cns....gal.15.50 -16.00
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .15 - .17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 3.10 & .10
bgs., f.o.b. Balto...ton.50.00 - —
6-7% ammon., 3% phosphor, acid, bulk, So. Atlantic factories, contracts.....unit-ton. 2.25 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.l.f. ports, Sept. shipt..ton.51.00 - —
spot..ton.51.00 - —
Flake white, dom., bbls.....lb. .08¾- —
kegs .....lb. .10¾- —
Fleaseed, French, black, bgs..lb. .32 - .35
Indian, blonde, bgs.....lb. .09 - .10
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.32.50 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton.20.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.20.00 - —
imported, 85.5, duty paid, short ton. No prices
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0615- —
l.c.l., works.....lb. .0565- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b Fla., Ga. mines..ton.15.00 - —
import., bgs., c.l., ex dock.ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½ - .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½ - —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl. dlvd., lb. 16 - 17½
Fustic extract, cryst., bbls....lb. .24 - .25
liquid, bbls.....lb. .10¼- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. 11 - .13
Gambier, common, cases.....lb. .06 - .06½
plantation, cases.....lb. .09½- .10
Cubes, Singapore, cases....lb. .08¼- .08¾
extract, bbls.....lb. .09½- .12
Gasoline, at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06- .06¼
65 octane and above, tanks, gal.. .06¾- .07¼
California, 54-58, tanks...gal. .05 - .06½
Gulf Coast, U. S. Motor, bulk, gal. .05¼- —
60-62, 390 e.p., bulk, export, gal. .05¾- —
68-67, 375 e.p., bulk, export, gal. .05½- —
70-72, 400 e.p., bulk, export. .06 - —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04¼- .04¾
63-66 octane, tanks....gal. .04¼- .04½
67-69 octane, tanks....gal. .04½- .04¾
72-74 octane, tanks....gal. .04¾- .05
Oklahoma-Texas, Us motor, 62 octane and below, tanks..gal. .03½- .04
third grade, tanks.....gal. .03½- .04
63-66 octane, tanks....gal. .03¾- .04½
67-69 octane, tanks....gal. .03⅝- .04
70-72 octane, tanks....gal. .04¼- .04½
natural, 18-55, tanks.....gal. .01½- .01⅞
26-70, tanks.....gal. .01¼- .01½
Gelatine, silver, cs.....lb. .42 - .43
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .18 - .20
grd., bbls., bxs.....lb. .23 - .25
powd., bbls., bxs.....lb. .24 - .26
Geraniol, cns., dms.....lb. .60 - 3.00
Ginger, African, No. 1, bags..lb. .05½- .06
Cochin, lemon, bgs.....lb. .10¾- .11
Jamaica, bold, bgs.....lb. .10 - .10¼
medium, bgs.....lb. .10¼- .11
grinding, bright, bgs.....lb. .08¾- .09¼
Japanese, bgs.....lb. .08 - .08¼
Ginseng root, wild Southern, cs., lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.15
5 tons or over, works, 100 lbs. 1.05 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices

Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd.	lb.	.13½- —
l.c.l., dlvd.	lb.	.14 - —
36/56, bgs., c.l., dlvd.	lb.	.13 - —
l.c.l., dlvd.	lb.	.13½- —
38/82, bgs., c.l., dlvd.	lb.	.14½- —
l.c.l., dlvd.	lb.	.15 - —
82/108, bgs., c.l., dlvd.	lb.	.15 - —
l.c.l., dlvd.	lb.	.15½- —
58 millipoise, 135 jellygrams, bgs., c.l., dlvd., East, Middlewest.	lb.	.15 - —
l.c.l., same basis	lb.	.15½- —
60/164, bgs., c.l., same basis,	lb.	.16½- —
l.c.l., same basis	lb.	.17 - —
l.c.l., same basis	lb.	.18 - —
hide, calcimine type, 75/225, bgs., c.l., same basis.	lb.	.18½- —
l.c.l., same basis	lb.	.19½- —
88/251, bgs., c.l., same basis,	lb.	.19½- —
l.c.l., same basis	lb.	.20½- —
92/283, bgs., c.l., same basis.	lb.	.20¼- —
l.c.l., same basis	lb.	.21½- —
102/315, bgs., c.l., same basis.	lb.	.21 - —
l.c.l., same basis	lb.	.22 - —
118/347, bgs., c.l., same basis.	lb.	.22 - —
125/379, bgs., c.l., same basis,	lb.	.23 - —
l.c.l., same basis	lb.	.24 - —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.		
Glycerin, CP, cns., l.c.l.	lb.	.14½- .15
dms. c.l., dlvd.	lb.	.12½- —
l.c.l., dlvd.	lb.	.13 - —
tanks, dlvd.	lb.	.12¼- —
dynamite, dms.	lb.	Nominal
high gravity, dms., c.l., dlvd.	lb.	.12 - —
l.c.l., dlvd.	lb.	.12½- —
tanks, dlvd.	lb.	.11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd.	lb.	.13 Nom.
l.c.l., same basis	lb.	.14 Nom.
tanks	lb.	.12 Nom.
for refiners, dms., returnable, tanks, dlvd.	lb.	.08¾- .09
soaplye, basis 80%, dms., tanks, returnable, dlvd.	lb.	.07¾- .08¼
Glycine, medicinal, bbls., tins.	lb.	1.70 - 2.00
Glycol boriborate, dms.	lb.	.22 - —
Phthalate, dms.	lb.	.38 - —
Stearate, dms.	lb.	.26 - —
Gold, U.S. purchase price	oz.	35.00 - —
Chloride, acid brown, bots.	oz.	20.75 -21.00
yellow, bots.	oz.	18.75 -19.00
Gold-soda chloride, photo., bots.,	oz.	13.00 - —
USP IX, bots.	oz.	14.50 -14.75
Gold of pleasure, seed, bgs.	lb.	.14½- —
Goldenseal, root, bls.	lb.	2.90 - 3.00
powd., bxs.	lb.	3.15 - 3.25
Grains of paradise, bgs.	lb.	.46 - .48
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon., bgs., c.l., works.	lb.	.06 - —
bbls., c.l., works	lb.	.06¼- —
l.c.l., works	lb.	.06½- —
amorph., powd., 90%, 325 mesh, 65% graphitic carbon, bgs., c.l., works.	lb.	.02½- —
bbls., c.l., works.	lb.	.02¾- —
l.c.l., works	lb.	.03¼- —
80% graphitic, carbon, bgs., c.l., works.	lb.	.03½- —
bbls., c.l., works	lb.	.03¾- —
l.c.l., works	lb.	.04½- —
Grease, house, loose	lb.	.03 Nom.
white	lb.	.03¾ Nom.
yellow	lb.	.03 Nom.
Wool (see Adeps lanae and Degras).		
Green, chrome, CP, dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	.21 - —
6-10%, bbls., same basis.	lb.	.22 - —
11-15%, bbls., same basis.	lb.	23 - —
16-20%, bbls., same basis.	lb.	.23¼- —
21-25%, bbls., same basis.	lb.	.24 - —
26-30%, bbls., same basis.	lb.	.24½- —
31-35%, bbls., same basis.	lb.	.25½- —
36-40%, bbls., same basis.	lb.	.27 - —
41-45%, bbls., same basis.	lb.	.28½- —
46-50%, bbls., same basis.	lb.	.30 - —
Green, chrome, prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.). Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.		
reduced, CP, color content up to 5%, same basis.	lb.	.06 - —
9 10%, bbls., same basis.	lb.	.06¾- —
11-13%, bbls., same basis.	lb.	.07¼- —
14-16%, bbls., same basis,	lb.	.07½- —
17-19%, bbls., same basis,	lb.	.07¾- —
20-21%, bbls., same basis.	lb.	.08 - —
22-23%, bbls., same basis.	lb.	.08¼- —
24-25%, bbls., same basis.	lb.	.08½- —
26-27%, bbls., same basis.	lb.	.08¾- —
28-29%, bbls., same basis.	lb.	.09¼- —
30-31%, bbls., same basis.	lb.	.10 - —
32-33%, bbls., same basis.	lb.	.11¼- —
34-35%, bbls., same basis.	lb.	.12¼- —
36-40%, bbls., same basis.	lb.	.14¼- —
41-45%, bbls., same basis.	lb.	.16¼- —
46-50%, bbls., same basis.	lb.	.16¾- —
51-55%, bbls., same basis.	lb.	.17¼- —
56-60%, bbls., same basis.	lb.	.17¾- —
61-65%, bbls., same basis.	lb.	.18¼- —
66-70%, bbls., same basis.	lb.	.19¼- —
71-75%, bbls., same basis.	lb.	.20¼- —
Oxide, dom., pure, bbls.	lb.	.25 - —
ceramic, light shades, bbls., c.l., works.	lb.	.25 - —
l.c.l., works	lb.	.30 - —
standard grade, bbls., works.	lb.	.21 - .23
Tetrahydroxide, bbls.	lb.	.88 - —
Paris (see P).		
Tungstated, brilliant, kgs.	lb.	3.50 - —
emerald, kgs.	lb.	2.35 - —
Verdigris (see V).		
Green dyes are listed under Dyes.		
Grindelia robusta, bls.	lb.	.09 - .10
Guaiac resin, cs.	lb.	.80 - .85
strained, cs.	lb.	.80 - .83
Wood, bls.	lb.	.04 - .05
Guaiacol, liq., dms.	lb.	1.65 - 1.67
Carbonate, fib., dms., 25 lbs.	lb.	2.40 - 2.74
Guarana powd., cs.	lb.	1.20 - 1.25
Gum, aloe (see A).		
Ammoniac, tears, cs.	lb.	.85 - .90
Arabic, amber, sorts, cleaned, bgs.	lb.	.14 - .15
white, sorts, 1, bgs.	lb.	.35 - .36
powd., bbls.	lb.	.18 - .20
Asafetida (see A).		
Asphaltum (see A).		
Benzoin, Siam, cs.	lb.	1.40 - 1.60
Sumatra, cs.	lb.	.18 - .20
Camphor (see C).		
Chicle, prime, 33% moisture, bgs., ton lots.	lb.	No prices
Copal, Congo, 1, water white, bgs., c.l., same basis.	lb.	.29½- —
3, selected pale straw bold, bgs., c.l., same basis.	lb.	.24½- —
4, pale bold straw, bgs., c.l., same basis.	lb.	.24 - —
5, pale straw bold, bgs., c.l., same basis.	lb.	.22½- —
6, pale amber bold, bgs., c.l., same basis.	lb.	.21½- —
7, pale straw bold, bgs., c.l., same basis.	lb.	.17 - —
8, light amber bold, bgs., c.l., same basis.	lb.	.17 - —
9, medium light amber bold, bgs., c.l., same basis.	lb.	.13½- —
10, rescraped hard amber, bold, bgs., c.l., same basis.	lb.	.13½- —
11, hard dark amber bold, bgs., c.l., same basis.	lb.	.12½- —
12, selected bold sorts, bgs., c.l., same basis.	lb.	.11¾- —
13, dark sorts bold, bgs., c.l., same basis.	lb.	.09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis.	lb.	.23¾- —
Gum, Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran.	lb.	.49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ½c. higher for 10 bgs or over; ½c. higher for 1-9 bags.		
Gum, Copal, Congo, 15, ordinary ivory sorts, bgs., c.l., same basis.	lb.	.10¾- —
16, inferior ivory sorts, bgs., c.l., same basis.	lb.	.09½- —
17, pale, fingers, bgs., c.l., same basis.	lb.	.18½- —
18, pale straw nubs, bgs., c.l., same basis.	lb.	.19½- —
19, pale straw nubs, bgs., c.l., same basis.	lb.	.18½- —
20, hard dark amber nubs, bgs., c.l., same basis.	lb.	.13½- —
21, ordinary selected nubs, c.l., same basis.	lb.	.12½- —
22, small mixed nubs, bgs., c.l., same basis.	lb.	.10½- —
23, dark mixed nubs, bgs., c.l., same basis.	lb.	.11½- —
24, No. 1, ivory nubs, bgs., c.l., same basis.	lb.	.17½- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis.	lb.	.09½- —
26, pale small nubs, c.l., same basis.	lb.	.10½- —
27, pale small nubs, bgs., c.l., same basis.	lb.	.10¼- —
28, pale dust, bgs., c.l., same basis.	lb.	.06½- —
Batu, bold, scraped, bgs., c.l., same basis.	lb.	.07½- —
unscraped, bgs., c.l., same basis.	lb.	.06¼- —
chips, bgs., c.l., same basis.	lb.	.05¼- —
dust, bgs., c.l., same basis.	lb.	.05¼- —
nubs and chips, bgs., c.l., same basis.	lb.	.05¼- —
black, bold, scraped, bgs., c.l., same basis.	lb.	.09¼- —
unscraped, bgs., c.l., same basis.	lb.	.06¼- —
Gum, Copal, Batu, nubs and chips, bgs., c.l., same basis,	lb.	.06½- —
Airoe, Macassar, pale bold, bgs., c.l., same basis.	lb.	.13¾- —
chips, bgs., c.l., same basis,	lb.	.07½- —
dust, bgs., c.l., same basis.	lb.	.05¾- —
nubs, bgs., c.l., same basis.	lb.	.11¼- —
Singapore, Rasak, bold, bgs., c.l., same basis.	lb.	.15¾- —
chips, bgs., c.l., same basis,	lb.	.08½- —
dust, bgs., c.l., same basis,	lb.	.05½- —
nubs, bgs., c.l., same basis,	lb.	.11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis.	lb.	.13¾- —
light, bskts., c.l., same basis.	lb.	.15¾- —
Loba A, bskts., c.l., same basis.	lb.	.14½- —
B, bskts., c.l., same basis,	lb.	.13¾- —
C, bskts., c.l., same basis,	lb.	.13¼- —
CNE, bskts., c.l., same basis.	lb.	.10¼- —
D, bskts., c.l., same basis.	lb.	.12¾- —
DK, bskts., c.l., same basis.	lb.	.09½- —
dust, bskts., c.l., same basis.	lb.	.06¾- —

LINOLEATES
UVERSOLS
(*naphthenates*)
OLEATES
RESINATES
SOYATES
PASTES
of
COBALT
LEAD
MANGANESE
ZINC

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Works at Cleveland and Elyria, Ohio, and Philadelphia, Pa.

Gum, Copal—Lime Sulphur

Gum, Copal, Sambas and white split chips, bskts., c.l., same basis..lb. .15¾- —
Singapore, dust, bskts., c.l., same basis..lb. .06¾- —
spirit-soluble, CBB, bskts., basis..lb. .12½- —
DBB, bskts., c.l., same basis. lb. .12¼- —
MA, bskts., c.l., same basis. lb. .09 - —
MB, bskts., c.l., same basis. lb. .08½- —
WS, bskts., c.l., same basis..lb. .12½- —
A/D, cs., c.l., same basis..lb. .13⅞- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .09¾- —
chips, pale, bskts., c.l., same basis..lb. .13 - —
pale, small, bskts., c.l., same basis..lb. .11½- —
extra pale sorts, bskts., c.l., same basis..lb. .12¼- —
nubs, bskts., c.l., same basis ..lb. .14¼- —
pale, scraped, bskts., c.l., same basis..lb. .18¾- —
seeds and dust, bskts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine, bgs., same basis..lb. .15⅝- —
mixed, bgs., c.l., same basis. lb. .14¾- —
split, bgs., c.l., same basis. lb. .13¾- —
chips, bgs., c.l., same basis.lb. .10 - —
nubs, bgs., c.l., same basis. lb. .12¼- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21¾- —
A/C, cs., c.l., same basis.lb. .15¼- —
A/E, cs., c.l., same basis.lb. .12⅝- —
B, cs., c.l., same basis...lb. .20¼- —
C, cs., c.l., same basis...lb. .14⅝- —
D, cs., c.l., same basis...lb. .13¼- —
dust, cs., c.l., same basis.lb. .07⅝- —
E, cs., c.l., same basis...lb. .10 - —
F, cs., c.l., same basis...lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .16¾- —
2, cs, c.l., same basis....lb. .12¼- —
3, cs., c.l., same basis....lb. .07¼- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07¼- —
seeds, cs., c.l., same basis.lb. .09¾- —
Elemi, cns., c.l., same basis as copal..lb. .10½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del. and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs. ..lb. .06¼- .06⅜
less than 10,000 lbs., same basis lb. .06⅜- .07
dlvd., Western N.Y. and Pa., Ohio, Mich., In.,, Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N.C., 75,000 lbs., contrs. or straight c.l. lb. .06¾- .07
dlvd. elsewhere, 75,000 lbs., contrs. or straight, c.l..lb. .07 - .07½
l.c.l. same basis.....lb. .07¼- .07¾
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.50 - 1.60
Gamboge, pipe, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Ghatti, soluble, bgs.....lb. .09 - .11
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l.lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, c.s., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins.....lb. 4.00 - 4.50
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. 1.20 - 1.25
Myrrh, USP, cs.....lb. .55 - .60
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opium (see O).
Rosin (see R).
Sandarac, cks., c.l., same basis as copal..lb. .40 - .45
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Aleppo, 1, cs...lb. 3.50 - 3.75
2 cs.....lb. 3.35 - 3.60
3 cs.....lb. 2.90 - 3.10
Yucca, bgs.....lb. .03¼- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
bgs., c.l., f.o.b. New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
plaster of Paris, paper bgs., c..., f.o.b. Blue Rapids, Kans., frt equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
f.o.b. Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bags, c.l., f.o.b. Acme Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald..... ton. 8.60 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald .....ton.12.00 - —
import. bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .26 - .28
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .06½- .07¼
Henbane leaves, bls.....lb. .82 - .85
Henna leaves, bls.....lb. .14 - .15
powd., bbls., bxs.....lb. .20 - .21
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08¼- —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexaldehyde, normal, dms., l.c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, 60-70°C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Groups 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, bots., 25 ozs..oz.13.00 -13.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.25 - 2.40
Hops, N. F., bls.....lb. .20 - .21
Horehound, bls.....lb. .12 - .13
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 ozs..oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River..lb. .20 - —
Hydroquinone, dealers, bbls., dms., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.50.00 -60.00
Hydrochloride, bots.....oz.50.00 -60.00
Hyoscyamine, 5 gr., bots.....bot. .60 - —
Hydrobromide, 5 gr., bots..bot. .60 - —
Sulphate, 5 gr., bots.....bot. .60 - —
Hypernic, ext. liquid, 50°, bbls., lb. .14 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, cots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.25 - —
jars, 50 lbs.....lb. 2.15 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
extra, bots.....lb. 3.75 - 3.80
beta, bots.....lb. 3.10 - 3.15
beta, bots.....lb. 3.90 - 3.95
Ipecac root, bgs.....lb. 1.35 - 1.40
powd., bxs.....lb. 1.45 - 1.50
Irish moss, ordnary, bls.....lb. .15 - .16
powd., 80-90 mesh, bbls..lb. .30 - .32
prime, bleached, bls.....lb. .30 - .32
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lyb. .04 - —
Chloride (ferric), tech., anhydr., 390-lbs. dms..100 lbs. 4.65 - 5.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
solut., cbys., works, frt. alld. or equald..lb. .06¼- .07
djns. .....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .39 - —
bots. .....lb. .53 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs...lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs....lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —
Isobutylacetate, 55-gal. dms., works..lb. .069 - —
tanks, works.....lb. .059 - —
propionate, dms., works.....lb. .09 - —
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .10½- —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07 - —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .07½- —
tanks, E. of Rockies, frt. alld..lb. .06 - —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gal., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .30 - .35
powd., bbls., bxs.....lb. .32 - .37
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, ordinary, bgs., lb. .26 - .28
hand picked, bgs.....lb. .32 - .34

K

Kamala, tins.....lb. .33 - .35
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0490- —
Gulf ports, p.w., bulk....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03¾- .04¼
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03¾- .03⅞
42-44 w.w., tanks.....gal. .03⅞- .04⅛
Pennsylvania, 45 w.w., tanks, gal. .04¾- .04⅞
46 w.w., tanks.....gal. .04⅞- .05
47 w.w., tanks.....gal. .05 - .05⅛
Kerosene distillate (see Oil, furnace).
Kieserite, cal., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .12 - .13

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 6.00 - 6.25
Middlewestern, trcs.....100 lbs. 5.60 - 5.70
Neutral, trcs.....100 lbs. 6.75 - 7.00
Western, choice, trcs..100 lbs. 5.70 - 5.80
Compound, trcs.....100 lbs. 8.50 - 8.75
Larkspur seed, bgs.....lb. 1.80 Nom.
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .09 Nom.
Turkish, bls.....lb. .08¾- .09¼
Lavender flowers, ordinary, bls.lb. .45 - .50
medium, bls.....lb. .55 - .60
select, bls.....lb. .65 - .70
Lead acetate, white, broken, bbls., lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .08½- —
l.c.l., bgs.....lb. .09 - —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
l.c.l., dlvd. E.....lb. .06½- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .07 - —
Lead, carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5-lb. bots., lb. 2.60 - —
jars .....lb. 2.55 - —
Linoleate, pale, precip., dms.lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less., Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0765- —
other points.....lb. .0740- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. .....lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
other points.....lb. .07¾- —
smaller lots, Ala., etc.lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0790- —
other points.....lb. .0765- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
other points.....lb. .08 - —
smaller lots, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0815- —
other points.....lb. .0790- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
Lead, red, dry 98%, Pb_3O_4, l.c.l., smaller lots, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused 15%, bbls.....lb. .09½- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bbls., c.l., (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse...lb. .10⅜- —
smaller lots, E. frt. alld., lb. .10¼- —
Pac. Cst., ex whse...lb. .10⅜- —
White, dry, basic carbonate, bbls., c.l., dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc.lb. .07⅛- —
other points.....lb. .07¼- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc...lb. .06½- —
other points.....lb. .06¾- —
l.c.l., dlvd. Ariz., etc...lb. .06⅝- —
other points.....lb. .06½- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers .....lb. .10⅝- —
painters .....lb. .11⅜- —
Consumers' price and painters' price are ¼c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N.Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l. same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .63 - —
l.c.l., same basis.....lb. .67½- .88
tech., grade 1, dms., c.l., same basis..lb. .53 - —
l.c.l. same basis.....lb. .87½- .55
grade 2 or 3, dms., c.l., same basis..lb. .87½- —
l.c.l. same basis.....lb. .40 - .67½
grade 4, dms., c.l., same basis...lb. .40 - —
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms., prices are 1c. per lb. less.
Lemon peel, bls.....lb. .13 - .15
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .09 - .10
powd., bbls., bxs.....lb. .11 - .12
select, bdls., cs.....lb. .30 - .33
Lime, onemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa.....ton. 7.00 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio.....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich.....ton. 8.00 - —
Martinsburg, W. Va...ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, In.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio.....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J.....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio.....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Sciota, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08¼- .09½
dms., same basis.....lb. .12 - —
Solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks. gal. .08½- —
30-50 dms.....gal. .11 - .16
Zone 3, tanks, dealers, dlvd. gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal..gal. .12 - —

Lime sulphur, solution, zone 5, tanks, dealers, dlvd..gal. .10½- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minns., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns.....lb. 1.75 - 3.00
Linden flowers, with leaves, bls.lb. .45 - .46
Linden flowers, with leaves, bls.lb. .42 - .45
Linseed cake, bgs, export....ton.21.00 -22.00
meal, 34%, bgs.....ton.25.00 -25.50
Litharge, com'l, powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0665- —
Other points.....lb. .0640- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .07 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., and Wash....lb. .07½- —
Colo., Mont., N. Mex., Wyo..lb. .07¼- —
Other points.....lb. .06¾- —
smaller lots, dlvd., Ala..lb. .07½- —
Ariz., etc.....lb. .08 - —
Colo. etc.....lb. .07¾- —
Other points.....lb. .07¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high-strength), bgs., c.l., (20 tons)..lb. .05 - —
smaller lots.....lb. .05¼- —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05½- —
ordinary, bgs., c.l. (20 tons)..lb. .0360- —
smaller lots.....lb. .0385- —
Lithopone, ordinary, bbls., c.l. (20 tons)..lb. .0385- —
smaller lots.....lb. .04½- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .35 - .60
Lobelia, herb, bls.....lb. .12 - .13
seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.75 - 5.00

M

Mace, Banda, cs.....lb. .53½- .56
Batavia, cs.....lb. .30½- .31
Siauw, cs.....lb. .37½- .40
West Indian, cs.....lb. .34 - .41
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., U.S.P., bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
U.S.P., Zone 1, c.l., bgs...lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08¼- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09¾- —
bbls.....lb. .09¾- —
kgs.....lb. .10½- —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, full fr't alld, up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipments, fr't alld, including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U. S.; prices f.o.b. Plymouth Meeting Ambler, Phillipsburg, Valley Forge, and New York.

Chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Magnesia, stearate, bbls., ctns., c.l..lb. .23 - —
1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .50 - —
smaller lots, dms.....lb. .55 - —
Magnesite, cal., dom., bgs...ton.60.00 -65.00
imports, bgs., duty paid...ton.70.00 Nom.
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lb.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .53 - —
100-lb. lots.....lb. .55 - —
5-lb. cns.....lb. .75 - —
Malva flowers, black, bls.....lb. .70 - .95
blue, bls.....lb. .70 - .95
Leaves, bls.....lb. .27 - .40
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .08¼ Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
¼ 4 tons, works....ton.77.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works....ton.69.50 - —
smaller lots, works..ton.74.50 - —
burlap bgs. ,c.l., works.ton.64.25 - —
l.c.l., 5 tons, works..ton.67.25 - —
smaller lots, works.ton.72.25 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works..ton.65.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots.....lb. 2.80 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19¼
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports, duty paid..unit-ton. .71 - .73
Resinate, fused, 3½%, bbls...lb. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd.....ton lots, lots, works..lb. .09 - .09½
single bbls., works.....lb. .09¼- .09¾
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.36.50 -37.50
Manna flake, large, cs.....lb. .95 - 1.55
small, cs.....lb. .80 - 1.25
Mannitol, com'l grade, bbls., ton lots, works..lb. .38 - —
smaller lots, works.....lb. .45 - —
reagent grade, 50 lb. cs., or multiples, works..lb. .90 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .34 - .35
Tunisan, bls.....lb. .30 Nom.
Chilean .....lb. .17½- .18
Matico leaves, bls.....lb. .22 - .25
Menthol, USP, natural, cs.....lb. 3.40 - 3.50
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms.. 50 lbs.....lb. 1.50 - —

Lime Sulph. Sol.—Methanol

Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.40 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd.....lb. 4.05 - 4.10
Iodide, red, NF, 5-lb. bots...lb. 4.71 - —
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.70 - 4.75
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate), tech. (see Red, mercury oxide), yellow, dom., tech., bbls...lb. 2.96 - —
USP, fib. dms., 50 lbs. or more..lb. 3.84 - —
Mercury and chalk, 5-lb. ctns..lb. 1.98 - —
25-lb. fib. dms.....lb. 1.80 - —
Mesityl oxide, cns., works.....lb. .20¼- —
dms., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in., pkg.15.25 -15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4⅜ in.....pkg.19.50 -20.00
3⅜x5⅞ in.....pkg.22.50 -28.00
3⅜x5⅞ in.....pkg.24.50 -25.00
silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls.....lb. 1.05 - 1.10
Metaphenylenediamine, kgs.....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group A, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

natural, producer group B, pure, tanks, frt. alld. Zone 1, gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½- —
dms., c.l., Zone 1.....gal. .35½- —
Zone 2.....gal. .37½- —
Zone 3.....gal. .39½- —
Zone 4.....gal. .41¼- —
l.c.l., Zone 1.....gal. .38 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½- —

Specks on the horizon

Manufacturers, who own sales departments must concentrate on marketing principal products, have found our specialized organization constructively helpful in marketing chemicals which are produced incidental to their basic businesses.

Two generations of international experience in representing buyers and sellers of chemicals and a sound knowledge of the chemical business have given us a clear eye, trained in singling out the elusive but desirable customer for chemicals or chemical by-products.

We invite correspondence from manufacturers interested in increased distribution in the chemical or allied industries.

Inquiries for these and other chemicals are invited.

TARTARIC ACID • CREAM OF TARTAR • ROCHELLE SALT
CITRIC ACID • SAPONIN • ACID ANHYDRIDE
ETHYLENE DIAMINE • LECITHIN • SODIUM PERBORATE

NEUBERG CHEMICAL CORPORATION

441 LEXINGTON AVENUE, NEW YORK CITY • TELEPHONE MURRAY HILL 6-1990

Methanol—Oil, Lubricating

Methanol, 95%, frt. alld., prices 2c. less than pure, all zones.

97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt, alld.	gal.	.35½- —
2, frt. alld.	gal.	.37½- —
3, frt. alld.	gal.	.39½- —
4, frt. alld.	gal.	.41½- —
l.c.l., Zone 1, frt. alld. or dlvd.	gal.	.38 - —
2, frt. alld. or dlvd.	gal.	.45½- —
3, dlvd., S. F. and L. A.,	gal.	.42 - —
4, frt. alld. or dlvd.	gal.	.53½- —
tanks, Zone 1, frt. alld.	gal.	.30 - —
2, frt. alld.	gal.	.32 - —
3, frt. alld.	gal.	.34 - —
4, frt. alld.	gal.	.34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah., Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R.	lb.	.10½- —
W. of Miss. R.	lb.	.11½- —
l.c.l., dms., dlvd. E. of Miss. R.	lb.	.11 - —
W. of Miss. R.	lb.	.12 - —
tanks, dlvd., E. of Miss. R.,	lb.	.09½- —
W. of Miss. R.	lb.	.10½- —
tech., dms., c.l., dlvd., E. of Miss. R.	lb.	.07 - —
W. of Miss. R.	lb.	.08 - —
l.c.l., dlvd., E. of Miss. R.	lb.	.07½- —
W. of Miss. R.	lb.	.08½- —
tanks, dlvd., E. of Miss. R.,	lb.	.06 - —
W. of Miss. R.	lb.	.07 - —
Acetoacetate, dms., c.l., works, frt. alld.	lb.	.29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks.	gal.	.32 - —
dms., c.l., same basis,	gal.	.37½- —
l.c.l., same basis	gal.	.40 - —

Methyl acetone prices on Pacific Coast are 2c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Acetone, natural, group B producers, tanks, Zone 1.	gal.	.32 - —
Zone 2	gal.	.34 - —
Zone 3	gal.	.36 - —
Zone 4	gal.	.36½- —
dms., c.l., Zone 1	gal.	.37½- —
Zone 2	gal.	.39½- —
Zone 3	gal.	.41½- —
Zone 4	gal.	.43½- —
l.c.l., Zone 1	gal.	.40 - —
Zone 2	gal.	.47½- —
Zone 3	gal.	.44 - —
Zone 4	gal.	.55½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wisc. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Synthetic, tanks, zone 1	gal.	.34 - —
Zone 2	gal.	.42 - —
Zone 3	gal.	.45½- —
dms., c.l., zone 1	gal.	.36 - —
Zone 2	gal.	.44 - —
Zone 3	gal.	.48 - —
l.c.l., zone 1	gal.	.37 - —
Zone 2	gal.	.45½- —
Zone 3	gal.	.48½- —

Alcohol (see Methanol).

Anthranilate, bots.	lb.	2.20 - 2.30
Benzoate, cns., 25 lbs.	lb.	.70 - 1.00
Bromide, cyl.	lb.	.65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders.	lb.	.32 - —
service men and consumers, cyl.	lb.	.36 - —
99 to 499 lbs., cyl., mach. mfrs. and jobbers.	lb.	.36 - —
service men and consumers, cyl.	lb.	.40 - —
tanks, multi-unit, mach. mfrs. and jobbers.	lb.	.31 - —
service men and consumers,	lb.	.35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.	lb.	4.25 - 5.00
Formate, dms.	lb.	.89 - —
Lactate, dms., l.c.l., dlvd.	lb.	.80 - —
Iodide, bots.	lb.	3.68 - 3.82
Salicylate, dms.	lb.	.35 - .37
cns.	lb.	.37 - .40
Violet toner, bbls.	lb.	.85 - —
permanent, bbls.	lb.	.80 - —
Methylamyl ketone, dms., works, l.c.l.	lb.	.25 - —
smaller containers, same basis,	lb.	.28 - —
Methylcellulose, dms., 100 lbs. or more, frt. alld.	lb.	.70 - —
less than 100 lbs., works.	lb.	.75 - —
Methylcyclohexane, 98-100%, dms., dlvd.	lb.	.17 - —
Methylcyclohexanol, 98-100%, dms., dlvd.	lb.	.26 - —
Methylcyclohexanone, 98 - 100%, dms., dlvd.	lb.	.40 - —
Methylene blue, medcl., kgs., 100 lbs.	lb.	2.00 - —
cns., 5 lbs.	lb.	2.35 - —
Chloride, dms., f.o.b. works.	lb.	.18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.,	lb.	.07 - —
l.c.l., same term	lb.	.07½- —
tanks, same terms	lb.	.06 - —
Methylheptenone, bots.	lb.	2.45 - 3.00
Methylheptin carbonate, bots.	lb.	28.00 -44.00
Methylhexyl ketone, dms., tech., works.	lb.	.60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works.	gal.	.70 - —
l.c.l., works	gal.	.80 - —
smaller containers, works.	gal.	1.00 - —
tanks, works	gal.	.70 - —
Methylnaphthyl ketone, dom., cryst., bots.	lb.	3.25 - 3.30
imp., bots	lb.	3.10 - —
Methylpropyl ketone, dms., c.l.	lb.	.20½- —
l.c.l.	lb.	.21 - —
tanks	lb.	.19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee.	ton.	9.00 - —
l.c.l., same basis	ton.	11.00 - —
180 mesh., containers extra, c.l., same basis.	ton.	11.00 - —
l.c.l., same basis	ton.	13.00 - —
Mica, dry grd., amber, No. 1 quality, bgs. extra and returnable, c.l., works.	ton.	30.00 - —
l.c.l., 5,000 lbs., works.	ton.	40.00 - —
1,000 lbs., works	lb.	.02 - —
500 lbs., works	lb.	.02½- —
100 lbs., works	lb.	.03 - —
refined, bgs., extra and returnable, c.l., works.	ton.	20.00 - —
l.c.l., 5,000 lbs., works,	ton.	39.00 - —
paint, bgs. extra and returnable, c.l., works.	ton.	55.00 - —
l.c.l., 5,000 lbs., works,	ton.	65.00 - —
white, No. 1 quality, bgs. extra and returnable, c.l., works,	ton.	35.00 - —
l.c.l., 5,000 lbs., works,	ton.	45.00 - —
1,000 lbs., works.	lb.	.02½- —
500 lbs., works.	lb.	.03 - —
roofing, bgs. extra and returnable, c.l., works.	ton.	29.00 - —
l.c.l., 5,000 lbs., works,	ton.	39.00 - —
paint, bgs. extra and returnable, c.l., works.	ton.	60.00 - —
l.c.l., 5,000 lbs., works,	ton.	70.00 - —
rubber, bgs., c.l., frt. alld. E,	lb.	.04¼- —
l.c.l., ex whse., or frt. alld. E.	lb.	.05 - —
paper, wall or coated, bgs., c.l., frt. alld. E.	lb.	.04¼- —
l.c.l., ex whse., or frt. alld. E.	lb.	.04⅞- —
rubber, bgs., c.l., frt. alld. E.	lb.	.04¼- —
l.c.l., ex whse., or frt. alld. E.	lb.	.04⅝- —

wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk powder, skimmed, roller, bbls., c.l.	lb.	.07 - —
l.c.l.	lb.	.08 - —
spray, bbls., c.l.	lb.	.07½- —
l.c.l.	lb.	.08½- —
unskimmed, roller, bbls., c.l.,	lb.	.15½- —
l.c.l.	lb.	.16½- —
spray, bbls., c.l.	lb.	.16 - —
Millet seed, yellow, bgs.	lb.	.0250- .0280
early fortune, bgs.	lb.	.02½- .06
hulled, bgs.	lb.	.05½- .06

Mineral spirits (see Petroleum thinners and V M & P naphtha).

Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports.	gal.	.07 - —
f.o.b. Gulf ports	gal.	.06½- —
Molybdate orange (see Orange, molybdate).		
Molydenum metal, kgs., 99% powd.	lb.	2.60 - 3.00
Molybdenum, trioxide, pure, kgs., basis Mo. content, works.	lb.	.95 - —
technical, kgs., basis Mo. content, works.	lb.	.80 - —
Monoamylamine, dms., c.l., wks.,	lb.	.52 - —
l.c.l., works	lb.	.53 - .55
tanks	lb.	.50 - —
Monobutylamine, dms., c.l., wks.,	lb.	.50 - —
l.c.l., works	lb.	.51 - .53
tanks, works	lb.	.48 - —
Monochlorobenzene, dms., l.c.l.,	lb.	.06 - .08
Monoethanolamine, dms., c.l., works.	lb.	.24 - —
l.c.l., dms	lb.	.25 - —
tanks	lb.	.23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works,	lb.	.65 - —
Monoethylaniliin, dms	lb.	.77 Nom.
Monomethylamine, dms., c.l., dlvd.	lb.	.65 - —
l.c.l., dlvd	lb.	.70 - —
Monomethylpara-aminophenol sulphate, dms.	lb.	3.75 - 4.00

Monosodiumphosphate (see Soda phosphate monobasic).

Morphine, bots., 5 ozs.	oz.	11.10 - —
cns., 25 ozs.	oz.	10.90 - —
Acetate, bots., 5 ozs.	oz.	9.00 - —
bots., 25 ozs.	oz.	8.80 - —
Ethylhydrochloride, bots., 5 ozs.,	oz.	10.75 - —
cns., 25 ozs.	oz.	10.55 - —
Hydrobromide, bots., 5 ozs.	oz.	8.95 - —
cns., 25 ozs.	oz.	8.75 - —
Sulphate, bots., 5 ozs.	oz.	9.00 - —
cns., 25 ozs.	oz.	8.80 - —
Morpholine, dms., 55 gals., l.c.l., works.	lb.	.75 - —
smaller containers, works.	lb.	1.00 - —
Mullein leaves, cns.	lb.	.12 - .14
flowers, cns.	lb.	1.30 - 1.35
Musk, nat., Tonquin, grained, bots.	oz.	19.00 -20.00
synth., ambrette, cns., 100 lbs. or more.	lb.	3.65 - —
5 lbs. to 75 lbs.	lb.	3.85 - —
1 lb.	lb.	3.95 - —
ketone, cns., 100 lbs. or more,	lb.	3.70 - —
5 lbs. to 75 lbs.	lb.	3.95 - —
1 lb.	lb.	4.10 - —
xylol, cns., 100 lbs. or more,	lb.	1.05 - —
5 lbs. to 75 lbs.	lb.	1.15 - —
1 lb.	lb.	1.20 - —
Musk root, bls.	lb.	.50 - .60
Mustard seed, California, brown,	lb.	.17½- .18
yellow		No stocks
Chinese yellow, bgs.	lb.	.08½- .09
Danish, yellow	lb.	.30 - .31
Dutch, yellow	lb.	.30 - .31
English, yellow, bgs.	lb.	No stocks
Roumanian, yellow	lb.	.16½- .17
Myrobalans, J1, bgs., f.a.s.	ton.	40.00 - —
J2, bgs., f.a.s.	ton.	34.00 - —
Extract, liquid, 25%, bbls.	lb.	No prices
solid, 50%, bbls.	lb.	No prices
powdered, 70%, bbls.	lb.	.06 Nom.

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).

Solvent (see S).

Naphthalene, crude, dom., 74 deg., bgs., c.l., works.	100 lbs.	2.25 - 2.50
bbls., c.l., works.	100 lbs.	2.50 - 2.60
78 deg., bgs., c.l., works,	100 lbs.	2.50 - 2.75
l.c.l., works	100 lbs.	2.75 - 3.00
import, bgs., c.i.f.	100 lbs.	No price
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.	lb.	.07 - —
50-lb. cs., same basis.	lb.	.07¼- —
pkgs. (16 oz.), same basis,	lb.	.07¾- —
(12 oz.), same basis.	pkg.	.06¼- —
chipped, crushed, bbls., same basis.	lb.	.06¼- —
rice, cryst., powd., bbls., same basis.	lb.	.07 - —
Nerolin, cryst., cns.	lb.	1.25 - 1.35
Nickel carbonate, bbls.	lb.	.36 - .36½
Chloride, bbls.	lb.	.18 - .20
Cyanide, 100-lb. dms.	lb.	1.40 - —
25-lb. bot.	lb.	1.50 - —
Oxide, black, bbls.	lb.	.35 - .38
Salt, bbls.	lb.	.13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld.	lb.	.70 - —
10-lb. tins.	lb.	.86½- —
Nitercake, bulk, works.	ton.	16.00 - —
Nitrobenzene, dbl. dist., dms., c.l.	lb.	.08 - —
l.c.l.	lb.	.09 - —
tanks	lb.	.07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., works.	lb.	.28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works.	lb.	.29 - —
ester soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works.	lb.	.22 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works.	lb.	.26 - —
ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works.	lb.	.20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works.	lb.	.25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works.	lb.	.29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works.	lb.	.25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports.	unit-ton.	1.2158- —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd.	unit-ton.	1.75 - —
f.o.b. Chemical, Ill.,	unit-ton.	1.75 - —
East Coast producing points.	unit-ton.	2.20 - —
import, bgs., c.i.f. Atlantic ports, shipt.	unit-ton.	No prices
Nitromethane, l.c.l., dms., works,	lb.	.25 - —
Nitronaphthalene, bbls.	lb.	.24 - .35
Nitropropane I, l.c.l., dms., works,	lb.	.25 - —
II. same basis	lb.	.25 - —
Nutgalls, Alleppo, bgs., cs.	lb.	.26 - .29
Chinese	lb.	.23 - —
Extract (see Gall extract).		
Nutmegs, 80s, bgs., cs.	lb.	.18 - .19
110s, bgs., cs.	lb.	.16 - .16½
West Indian, bgs.	lb.	.08¼- .08¾
Nux vomica, bls.	lb.	.05 - .06
powd., bbls., bxs.	lb.	.08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works.	lb.	.03½- —
l.c.l., bbls., works.	lb.	.03⅝- —
tanks	lb.	.02⅝- —
Ocher (see Yellow).		
Octane, 100-140° C., mixed, dms., c.l., G.3.	gal.	.12½- —
l.c.l., G.3	gal.	.17 - —
tanks, G.3	gal.	.10½- —
Octanol, normal, tech., 360-lb. dms., dlvd.	lb.	.35 - —
Octyl acetate, dms., c.l. works.	lb.	.16 - —
l.c.l., works	lb.	.17 - —
tanks, works	lb.	.15 - —
Oil, almond, bitter, artif. (see Benzaldehyde)		
natural, bots.	lb.	2.75 - 3.00
s.p.a., bots.	lb.	3.00 - 3.25
sweet, true, exp., cns.	lb.	.70 - .75
Amber, crude, cns.	lb.	.22 - .23
ref'd, cns.	lb.	.75 - .80
Amyris, cns.	lb.	3.00 - 3.25
Angelica root, bots.	lb.	80.00 -85.00
seed, bots.	lb.	48.00 -53.00

Anilin (see A).

Anise, USP, ons., dms.	lb.	.72 - .75
Apricot, kernels, cns.	lb.	.38 - .39
Babassu, tanks	lb.	.05¾ Nom.
Bay, W. I., 50-55% phenols, cns.	lb.	1.10 - 1.15
55-60% phenols, cns.	lb.	1.20 - 1.25
Bergamot, artif., cns.	lb.	2.50 - 3.50
natural, coppers	lb.	8.50 Nom.

Birch (see Oil, sweet birch).

Birchtar, crude, dms.	lb.	.25 - .26
rectified, cns.	lb.	.75 - .80
Bois de rose, Brazil, cns.	lb.	1.60 - 1.65

Cade, USP IX (see Oil, juniper tar).

Cajeput, tech., dms.	lb.	.60 - .67
USP. IX, cns.	lb.	.62 - .72
Calamus, cns.	lb.	8.25 - 8.50
Camphor, sassafrassy, cns.	lb.	.31 - .32
dms.	lb.	.28 - .29
white, cns.	lb.	.35 - .37
dms.	lb.	.32 - .33
Cananga, native, cns.	lb.	1.60 - 1.65
rectified, cns.	lb.	2.00 - 2.35
Capsicum (oleoresin) N. F. VI, cns.	lb.	2.50 - 2.75
Caraway, USP, cns.	lb.	5.00 - 5.25
Cardamon, bots.	lb.	15.00 -16.00
Cassia, USP, cs., dms.	lb.	1.35 - 1.40
Castor, blown, one-way dms., c.l.	lb.	.12¾- —
l.c.l.	lb.	.13½- —
cold pressed, USP, bbls., c.l.,	lb.	.11¼- —
l.c.l.	lb.	.12 - —
cns. (1-gal), l.c.l.	lb.	.15 - —
dms. (returnable), c.l.	lb.	.11 - —
l.c.l.	lb.	.11⅝- —
(5-gal.), l.c.l.	lb.	.13 - —
tanks	lb.	.10½- —
dehydrated, dms., c.l.	lb.	.1360- —
l.c.l.	lb.	.14 - —
tanks	lb.	.13 - —
extracted No. 3, tech., bbls., c.l.	lb.	.10¾- —
l.c.l.	lb.	.11½- —
dms. (returnable), c.l.	lb.	.10½- —
l.c.l.	lb.	.11¼- —
tanks	lb.	.10 - —
Oil, castor, sulphonated, 50% (43% fat), dms., c.l.	lb.	.08 - —
l.c.l.	lb.	.09 - —
75% (63% fat) dms., c.l.	lb.	.10½- —
l.c.l.	lb.	.11½- —
80% (68% fat), dms., c.l.	lb.	.10¾- —
l.c.l.	lb.	.11¾- —

Castor oil, USP, and No. 3, prices are dlvd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅜c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.

Cedarleaf, cs.	lb.	.80 - .85
dms.	lb.	.75 - .80
Cedarwood, Oregon, cns., dms.,	lb.	.28 - .30
Southern, cns., dms.	lb.	.19 - .22
Celery, bots.	lb.	9.50 -10.00
Chaulmoogra, USP, cns.	lb.	.72½- —
Chinawood, dms.	lb.	.26 - —
tanks	lb.	.23 - —
Cinnamon, Ceylon, bots.	lb.	9.25 -27.00
Seychelle, bots.	lb.	7.25 - 8.00
Citronella, Ceylon, cns.	lb.	.32 - .33
dms.	lb.	.30 - .31
Java, cns., dms.	lb.	.29 - .30
Clove, makers, USP, cns.	lb.	1.20 - 1.25
dms.	lb.	1.15 - 1.20
Coconut, Manila, crude, tanks,	lb.	.02¾- —
edible, 76°, dms. (returnable), c.l.	lb.	.07½- —
l.c.l.	lb.	.08 - —
tanks	lb.	.06¾- —
Cod, Newf., bbls.	lb.	.06¾- —
Codliver, med., USP, bbls.	bbl.	65.00 -70.00
Coriander, bots.	lb.	13.00 -15.00
Corn, crude, tanks, wks.	lb.	.05¾- —
refd., bbls.	lb.	.07⅝- .07⅞
Cottonseed, cooking, bbls.	lb.	.07¾- —
salad, bbls.	lb.	.08 - —

Creosote (see C).

Croton, N. F., cns.	lb.	2.50 - 2.75
Cubeb, USP, cns.	lb.	3.25 - 3.50

Crude (see Petroleum, crude

Cumin, bots.	lb.	6.50 - 7.00
Cypress, dom., bots.	lb.	5.25 - 5.50
import, cns.	lb.	12.00 -12.25

Degras (see D).

Diesel, Bayonne, bulk.	bbl.	1.70 - 1.75
California, 24 plus, bulk.	bbl.	1.55
Dill seed, bots.	lb.	4.50 - 5.00
weed, bots.	lb.	4.00 - 4.25

Dip (see Lead).

Erigeron, cns.	lb.	2.25 - 2.50
Eucalyptus, cns.	lb.	.70 - .72
dms.	lb.	.68 - .70
Fennel, sweet, cns.	lb.	3.00 - 3.25
Fuel, bunker, California, tide-water.	bbl.	.75 - .90
Gulf Coast, at terminal.	bbl.	.80 - —
Louisiana, Arkansas, 10-14,	bbl.	.70 - —
N.Y. and N.J. terminals.	bbl.	1.25 - —
North Texas, 18-22.	bbl.	.72½- .77½
24-28, zero cold test.	bbl.	1.00 - —
Oklahoma, 18-22.	bbl.	.72½- .77½
24-28, zero cold test.	bbl.	1.00 - —
24-28, 15 and above.	bbl.	.80 - —
Pennsylvania, 36-40.	gal.	.04 - —
Furnace, Bayonne, 1, bulk, refinery.	gal.	.0510- —
2, bulk, same basis.	gal.	.0410- —
4, bulk, same basis.	gal.	.0440- —
Louisiana - Arkansas, 23 - 36, light straw.	gal.	.03½- .03¾
Oklahoma, 28-30	gal.	.03 - —
32-36	gal.	.03¼- .03½
36-38	gal.	.03⅝- .03⅞
38-40 zero, 60 e.p.	gal.	.03⅜- —

Fusel (see F).

Gas, 27 plus, Bayonne, bulk.	gal.	.0440- —
Gulf Coast, bulk.	gal.	.03½- —
North Texas, bulk.	gal.	.02⅝- .02¾
Oklahoma, bulk.	gal.	.02⅝- .02¾

Gaultheria (see Oil, wintergreen leaf).

Geranium, Algerian, rose, cns.,	lb.	3.75 - 4.00
Bourbon, cns.	lb.	3.50 - 3.75

Turkish (see Palmarosa).

Grapefruit, cns.	lb.	1.55 - 1.60
Grapeseed, dms.	lb.	.40 - .45
Ginger, dist., bots.	lb.	4.10 - 4.25
Guaiac wood, concrete, bots.	lb.	2.80 - 2.85
Haarlem, imported, bots.	gross.	No prices
Hemlock, cns.	lb.	.65 - .70
Juniper berry, USP, cns.	lb.	4.00 - 4.50
wood, tech., cns.	lb.	.50 - —
Juniper tar, USP XI, cns.	lb.	.40 - .45
Lard, common, 1, bbls.	lb.	.06⅝- —
2, bbls.	lb.	.06¼- —
extra, bbls.	lb.	.06⅜- —
1, bbls.	lb.	.06⅝- —
winter, strained, bbls.	lb.	.07 - —
prime, burning, bbls.	lb.	.08 - —
prime, ined., bbls.	lb.	.07¼- —
Laurel, bots.	lb.	4.50 - 4.60
Lavandin, cns., 25 lbs.	lb.	3.25 - 3.50
Lavender flower, French, 50% ester, cns.	lb.	6.00 - 6.25
38-42% ester, cns.	lb.	4.25 - 4.50
35-38% ester, cns.	lb.	3.75 - 4.00
30-32% ester, cns.	lb.	3.50 - 3.75
garden, cns.	lb.	.42 - .45
spike, Spanish, tech., cns.	lb.	1.20 - 1.85
dms.	lb.	1.15 - 1.70
Lemon, Calif., cns.	lb.	3.25 - —
Messina, coppers, cns.	lb.	4.75 Nom.
Terpeneless, Type 1.	lb.	16.50 -16.50
Type 2	lb.	8.35 -14.50
Lemongrass, native, cns., dms.,	lb.	.65 - .70
Lime, dist., cns.	lb.	5.00 - 5.50
expressed, cns.	lb.	7.50 - 7.75
Terpeneless, Type 1.	lb.	70.00 -78.00
Type 2.	lb.	42.00 -46.50
Linalool wood, cns.	lb.	1.30 - 1.35
Linseed, raw, dms., c.l.	lb.	.0840- .0860
l.c.l., 10 to 69	lb.	.0880- .0900
5 to 9	lb.	.0900- .0920
less than 5	lb.	.0920- .0940
tanks	lb.	.0780- .0800

Boiled linseed oil .004 cents over raw.

Lovage, bots.	lb.	41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms.	gal.	.15 - —
140 vis., dms.	gal.	.16 - —
green, pale, 750, 900 vis., dms.	gal.	.17 - —
200, 300, 350, 400, 450, 500, 600, 700 vis., dms.	gal.	.17 - —
Oklahoma, bright stocks, 100-110 D, color 4.0-10 pour, tanks.	gal.	.15½- —
15-25 pour, tanks.	gal.	.16 - —
150-160 D, color, 4½, 0-10 pour, tanks.	gal.	.16 - —
15-25 pour, tanks.	gal.	.14 - —
150-160 E, color 5½, 15-25 pour, tanks.	gal.	.14 - —
190-200 D, color 4¼, 15-25 pour, tanks.	gal.	.13 - —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks.	gal.	.08 - —
180 vis., 5 color, tanks,	gal.	.10 - —
4 color, tanks.	gal.	.10 - —
200 vis., 3 color, tanks,	gal.	.09½- —
4 color, tanks.	gal.	.09 - —
250 vis., 3 color, tanks,	gal.	.10½- —
4 color, tanks.	gal.	.10½- —

Oil, lubricating, at refinery, Oklahoma, 280 vis., 3 color, tangs.	gal.	.11 - —
4 color, tanks	gal.	.10½- —
10-25 pour prices are ½c. per gallon less than zero to 10° pour.		
Pennsylvania, bright stocks, 6 color, 140-150 vis., 545-550 flash, 10 pour, tanks.	gal.	.14½- .15
15 pour, tanks	gal.	.13½- .14
25 pour, tanks	gal.	.12 - .14
cylinder oil, 600 flash, tanks.	gal.	.11 - .12
630 flash, tanks	gal.	.12 - .13
600 steam refined, tanks,	gal.	.08 - .09
650 steam refined, tanks,	gal.	.10 - .11
Neutrals, 150 vis., 70°F., 3 color, 400-405 flash, zero pour, tanks.	gal.	.22½- —
10 pour, tanks	gal.	.21½- —
15 pour, tanks	gal.	.20½- —
25 pour, tanks	gal.	.19 - .20
200 vis., 70°F., 3 color, 420-422 flash, zero pour, tanks.	gal.	.24½- —
10 pour, tanks	gal.	.23½- —
15 pour, tanks	gal.	.22½- —
25 pour, tanks	gal.	.21 - .22
Mace, dist., cns., dms.	lb.	2.60 - 2.70
Mandarin, superior coppers.	lb.	10.00 -11.00
Menhaden, crude, tanks, f.o.b. Balto.	gal.	— Nom.
refd., alkali, dms.	lb.	.0670- —
tanks	lb.	.0610- —
blown, dms.	lb.	.0690- —
kettle-bodied, dms.	lb.	.0790- —
light-pressed, dms.	lb.	.0610- —
tanks	lb.	.0550- —
Mineral, white (see Oil, white mineral).		
Mustard, artif., USP, bots., cns.,	lb.	1.60 - 1.70
dist., natural, bots.	lb.	8.50 - 9.00
Neatsfoot, 20° cold test, bbls.,	lb.	.15¼- —
extra, bbls.	lb.	.06⅞- —
1, bbls.	lb.	.06¾- —
prime, bbls.	lb.	.07 - —
pure, bbls.	lb.	.10¼- —
sulphonated, common, 25% moisture, dms.	lb.	.10½- —
Neroli, bots.	lb.	200.00-325.00
Nutmeg, dist., cns., dms.	lb.	2.60 - 2.70
Oleo, 1, bbls.	lb.	.07⅝- —
2, bbls.	lb.	.07¼- —
Oiticica, dms.	lb.	.17½- .18½
Olibanum, bots.	lb.	5.00 - 5.25
Olive, denat., dms.	gal.	1.65 Nom.
edible, dms.	gal.	2.40 Nom.
foots, dms.	lb.	.08¾ Nom.
sulphonated, 50%, (42% fat), dms., c.l.	lb.	.09½- —
l.c.l.	lb.	.10½- —
75% (63% fat), dms., c.l.	lb.	.12½- —
l.c.l.	lb.	.13½- —
80% (68% fat), dms., c.l.,	lb.	.127 - —
l.c.l.	lb.	.137 - —
Orange, sweet, dist., cs.	lb.	.90 - —
expressed, African, cns., dms.,	lb.	1.10 - 1.15
Calif., cns.	lb.	2.00 - —
Florida, cns.	lb.	1.25 - 1.30
Messina, USP, coppers.	lb.	8.00 Nom.
West Indies, cns.	lb.	2.00 - 2.10
terpeneless	lb.	42.00 -50.00
Origanum, cns.	lb.	1.80 - —
Orris, Florentine, concrete, extra strong, bots.	oz.	5.50 - 6.00
Palm, Niger, dms.	lb.	.03¾ Nom.
shipment	lb.	.03 Nom.
softs, 12½%, bulk, shipt.	lb.	.02¾ Nom.
Sumatra, shipt., bulk.	lb.	.02¼ Nom.
Palmarosa, cns.	lb.	2.25 - 2.50
Paraffin, 320° flash, 60-70 vis., tanks, G. 3.	gal.	.05¼- —
350° flash, 70-80 vis., tanks, G. 3.	gal.	.05½- —
80-85 vis., bbls., extra, Ind. refy.	gal.	.12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy.	gal.	.14 - —
300° flash, 100-110 vis., tanks, G. 3.	gal	.05¾- —
Patchouli, bots., cns.	lb.	6.50 - 6.75
Peanut, crude, dom., tanks.	lb.	.05⅛ Nom.
refd., edible, bbls.	lb.	.08½ Nom.
Pennyroyal, dom., cns.	lb.	3.00 Nom.
import, cns.	lb.	2.50 - 2.75
Peppermint, natural, cns., dms.,	lb.	2.35 - 2.60
redist., USP, cns., dms.	lb.	2.60 - 2.85
Perilla, dms.	lb.	.17⅛- .18
tanks	lb.	.16¾- .17
Petitgrain, Paraguay, cns.	lb.	1.50 - 1.55
Pimento berry, cns.	lb.	4.35 - 7.25
leaf, cns.	lb.	2.40 - 2.50
Pine, dest.-dist., straw-color, dms., dlvd., E. ports.	gal.	.50 - .55
steam-dist., dms.	gal.	.59 - —
tanks	gal.	.54 - —
Pineneedle, Siberian, cns.	lb.	1.25 - 1.30
Putty, bbls., E. Segundo, Richmond, Cal.	gal.	.22½- —
contracts	gal.	.19½- —
Whiting, Ind.	gal.	.28 - —
dms., c.l., Bost., Provid.	gal.	.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.18 - —
Martinez, Cal.	gal.	.28 - —
Rapeseed, blown, bbls.	lb.	.17½ Nom.
denat., bbls.	gal.	1.10 - 1.15
Red, dist. or saponif., dms., dlvd.	lb.	.06¾- .07¼
tanks, dlvd.	lb.	.05¾- —
Rose, artif., bots.	oz.	1.35 - 2.25
natural, coppers	oz.	5.75 -22.50
Rosemary, Spanish, cns.	lb.	.64 - .66
dms.	lb.	.59 - .61
Rosin, 1st rectfd., dms.	gal.	.42 - —
2d rectfd., dms.	gal.	.44 - —
3d rectfd., dms.	gal.	.48 - —
Rue, bots.	lb.	3.00 - 3.25
Sage, cns.	lb.	2.00 - 3.00
Sandalwood, E. I., USP, cns.	lb.	5.25 - 5.50
Mysore, cns., car lots	lb.	5.50 - 5.75
Sardine, crude, tanks, Pac. Cst.,	gal.	Nom.
refd., alkali, dms.	lb.	.0670- —
tanks	lb.	.0610- —
kettle-bodied, dms.	lb.	.0790- —
light-pressed, dms.	lb.	.0610- —
tanks	lb.	.0550- —
Sassafras, artif., cns.	lb.	.83 - .84
dms.	lb.	.80 - .81
natural, cns., dms.	lb.	1.15 - 1.20
Savin, cns.	lb.	2.20 - 2.25
Savory, cns.	lb.	3.50 - 3.75
Sesame, refd., dom., dms.	lb.	.16 Nom.
Shingle stain, bbls., c.l., works,	gal.	.19 - —
l.c.l., works	gal.	.20 - —
tanks, works	gal.	.14 - —
Snakeroot, Canada, cns.	lb.	9.50 -10.50
Soybean, dom., crude, dms.	lb.	.05¼- .05¾
tanks	lb.	.04½- .04¾
refd., dms.	lb.	.06½- .07¼
tanks	lb.	.05¾- .06¼
Spearmint, dms.	lb.	2.10 - 2.15
Sperm, bleach, 38°, dms.	lb.	.1100- —
45°, dms.	lb.	.1030- —
natural, dms.	lb.	.0980- —
Spruce, cns., dms.	lb.	.65 - .70
Sweet, birch, North, cns.	lb.	2.25 - 2.65
South, cns.	lb.	1.35 - 1.70
Tall, crude, dms., c.l., works,	ton.	40.00 - —
l.c.l., works	ton.	45.00 -50.00
tanks, works	ton.	30.00 - —
Oil, tall, distilled, dms., c.l., dlvd.	lb.	.05½- .07
l.c.l., dlvd.	lb.	.06½- .08¼
tanks, dlvd.	lb.	.05 - .06¾
refined, dms., c.l., works.	lb.	.04 - —
l.c.l., works	lb.	.04½- —
tanks, works	lb.	.03½- —
Tallow, acidless, bbls.	lb.	.06¼- —
tanks	lb.	.05¾- —
Tansy, cns.	lb.	4.75 - 5.00
Tar, pine, com'l, dms., c.l., dlvd. E. cities.	gal.	.26 - —
E. ports, c.l.	gal.	.25 - —
l.c.l.	gal.	.27 - —
tanks, dlvd. E. cities.	gal.	.20 - —
rectfd., USP, bbls., l.c.l., dlvd. E. ports.	gal.	.55 - —
Tar acid (see T).		
Teaseed, crude, dms.	lb.	.12½ Nom.
Tea Tree (see Oil, Ti tree).		
Thyme, NF, red, dms.	lb.	.80 - 1.75
white, dms.	lb.	.95 - 1.95
Tung (see Oil, chinawood).		
Ti tree, cns.	lb.	2.30 - 2.80
Turkey red (see castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.	gal.	6.00 - —
Valerian, bots.	lb.	8.00 - 9.00
Vetiver, bots.	lb.	3.75 -15.00
Whale, ref., natural, dms.	lb.	.0910- —
winter, bleach, dms.	lb.	.0950- —
Wheat germ, cns., dms.	gal.	17.50 -25.00
White, mineral, dom., dms., tech., 50-60 vis., dms.	gal.	.33 - .34
65-75 vis., dms.	gal.	.37 - .43
80-90 vis., dms.	gal.	.38 - .44
USP, 80-90 vis., dms.	gal.	.41½- .47
95-105 vis., dms.	gal.	.50 - .51
125-135 vis., dms.	gal.	.56 - .57
140-150 vis., dms.	gal.	.57½- .59½
175-185 vis., dms.	gal.	.63½- .64½
Oil, white mineral, USP— 200-210 vis., dms.	gal.	.66½- .67½
320-330 vis., dms.	gal.	.73½- .76½
335-345 vis., dms.	gal.	.76 - .77
Russian, 80-90 vis., dms.	gal.	No prices
145-155 vis., dms.	gal.	No prices
175-185 vis., dms.	gal.	No prices
335-345 vis., dms.	gal.	No prices
Wintergreen, natural, North, cns.	lb.	4.35 - 5.00
South, cns.	lb.	3.05 - 3.75
synth, (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed, cns.	lb.	4.00 - 4.10
Wormwood, cns.	lb.	5.25 - 5.50
Ylang-ylang, Bourb., bots., cns.	lb.	3.00 - 8.00
Manila, bots.	lb.	18.00 -22.00
Olivine, aggregate, c.l., mines,	ton.	7.00 -11.00
Lumps, same basis	ton.	7.00 - —
Spalls, same basis	ton.	5.00 - —
ground, 325 mesh c.l., mines,	ton.	20.00 - —
200 mesh, c.l., mines	ton.	17.00 - —
100 mesh, c.l., mines	ton.	15.00 - —
20 mesh to dust	ton.	12.00 - —
Opium USP, cns.	lb.	11.50 -12.50
grap., cns.	lb.	12.50 -13.50
powd., cns.	lb.	12.50 -13.50
Orange Lake, Persian, bbls.	lb.	.30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.10½- —
Ariz., Idaho, Nev., Utan and E. of Cascade Mts. in Ore. and Wash.	lb.	.11 - —
Colo., Mont., N. M., Wyo.	lb.	.10¾- —
Other points	lb.	.10¼- —

Oil, Lub.—Orthonitrotoluene

Orange mineral, Amer., smaller lots, dlvd., Ala., etc.	lb.	.11 - —
Ariz., etc.	lb.	.11½- —
Colo., Mont., N. M., Wyo.	lb.	.11¼- —
Other points.	lb.	.10¾- —
French, Tours, casks, ex dock.	lb.	.13½- —
kgs., ex dock	lb.	.14½- —
Molybdate, bbls.	lb.	.31 - —
Toner, bbls.	lb.	.80 - —
Orangeflower petals, cs.	lb.	.45 - .50
Orange peel, bitter, bls.	lb.	.09 - .10
sweet, bls.	lb.	.11 - .12½
Orris root, Florentine, bgs.	lb.	.45 - .50
fingers, cs.	lb.	1.35 - 1.70
powd., bbls., bxs.	lb.	.48 - .53
Verona, bls.	lb.	.34 - .35
powd., bxs., cs.	lb.	.37 - .38
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloranilin, dms.	lb.	.60 - .75
Orthochlorophenol, dms.	lb.	.32 - —
Orthocresol, dms., c.l., works.	lb.	.16 - —
l.c.l., same basis	lb.	.16½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies.	lb.	.06 - —
l.c.l., same basis	lb.	.07 - —
100-lb. tins, same basis.	lb.	.08 - —
50-lb. tins, same basis.	lb.	.09 - —
tanks, same basis.	lb.	.05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.		
Orthonitroanilin, dms.	lb.	.55 - —
Orthonitrochlorobenzene, dms.	lb.	.15 - .18
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —

OUTSELLS

ALL OTHER BRANDS COMBINED

3 TO 1

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PRODUCTS DEPARTMENT, ONTARIO, CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO., CORONA, CALIFORNIA

Orthophenetidin—Pet.

Orthophenetidin, dms.	lb.	.80	—
Orthotoluidin, dms.	lb.	.19	—
Osage orange extract, cryst., bbls.	lb.	.21	—
liquid, 42°, bbls.	lb.	.09	—
51°, bbls.	lb.	.10	—
Oxyquinolin sulphate, cns., 100-lbs., works.	lb.	3.50	—
bots., cns., 1-50 lbs.	lb.	3.65	4.00
Orthotoluene hydrochloride, dms.	lb.	.22	—
Sulphonate, kgs.	lb.	2.00	2.05

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Papain, powd., cs.	lb.	1.45	1.50
Paprika, Algerian, bgs.	lb.	.31	.32
Bulgarian, bgs.	lb.	.29	.30
Hungarian, extra fancy, bgs.	lb.	.40	.41
medium, bgs.	lb.	.35½	.36
Portuguese, extra fancy, bgs.	lb.	.33	.34
fancy, bgs.	lb.	.32	.33
Spanish, fancy, cs.	lb.	.38	.39
Parachlorophenol, dms.	lb.	.32	—
Paracymene, refd., dms.	gal.	.75	1.25
Paradichlorobenzene, dms., c.l.	lb.	.11	.12
l.c.l.	lb.	.12½	.13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.02¼	.02½
bbls., c.l., N.Y.	lb.	.02	—
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.02½	.02¾
bbls., c.l., N.Y.	lb.	.02	.02¼
yellow, 124-126 A.m.p., bbls., c.l., N.Y.	lb.	.02½	—
Paraffin, fully refd., bgs., 123-125 A.m.p., bgs., c.l.	lb.	.0570	—
128-130 A.m.p., bgs., or loose, c.l.	lb.	.0570	—
131-133 A.m.p., bgs., or loose, c.l.	lb.	.0595	—
133-135 A.m.p., bgs., or loose, c.l.	lb.	.0625	—
135-137 A.m.p., bgs., or loose, c.l.	lb.	.0650	—
138-140 A.m.p., bgs., or loose, c.l.	lb.	.0725	—
143-145 A.m.p., bgs., or loose, c.l.	lb.	.0820	—
151-153 A.m.p., bgs., or loose, c.l.	lb.	.15	Nom.

Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower.

match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.03½	—
semi-rfd., solid, 122-124 A.m.p., bgs.	lb.	.03	—
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.	lb.	.34	—
100 to 900 lbs. shipments, same basis	lb.	.35	—
Paraldehyde, tech., 98% 55 and 110 gal. dms., c.l., works.	lb.	.10	—
l.c.l., works	lb.	.11¼	—
5- and 10-gal. dms., works	lb.	.15	—
USP, cs., cbys.	lb.	.37	.45
Paranisidine, dms.	lb.	.75	—
Paranitroanilin, kgs., works	lb.	.47	—
Paranitrochlorobenzene, kgs.	lb.	.15	—
Paranitrophenol, kgs.	lb.	.35	—
Paranitrotoluene, kgs.	lb.	.30	—
Paraphenylenediamine, bbls.	lb.	1.25	1.30
Paratoluenesulphonamide, bbls.	lb.	.70	—
Paratoluidin, bbls.	lb.	.48	—
Pareira brava root, bls.	lb.	.20	.21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23	.25
less car lot, same basis.	lb.	.24	.26
Passion flower, herb, bls.	lb.	.08	.09
Patchouli leaves, bls.	lb.	.28	.30
Pellitory root, bls.	lb.	.30	.32
Pennyroyal leaves, bls.	lb.	.15	.16
Pentane, norm., 28-38°, dm., c.l., G.3.	gal.	.11½	—
l.c.l., G.8.	gal.	.16	—
tanks, G.3.	gal.	.08½	—
laboratory grade, dms., c.l., G.3,	gal.	.14	—
l.c.l., G.3.	gal.	.25	—
Pepper, black, Alleppey, bags.	lb.	.07½	.07¾
Lampong, bags.	lb.	.03¾	.04
Tellicherry, bags.	lb.	.07½	.07¾
White, Java, Muntok, bags.	lb.	.07½	.08
Singapore, Muntok.	lb.	.07⅛	.07⅝
Red, chillies, Japan, Hontaka.	lb.	.19	.19½
Mombassa, bgs.	lb.	.28	.28½
Peppermint leaves, dom., bls.	lb.	.45	.50
imports, bls.	lb.	.75	.80
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	lb.	.08	—
l.c.l., same basis.	lb.	.08½	—
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½	—
l.c.l., same basis.	lb.	.09	—
Zone 3, dms., c.l., works, frt. alld.	lb.	.09	—
l.c.l., same basis.	lb.	.09½	—
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09	—
	lb.	.09	—
l.c.l., same basis.	lb.	.09½	—

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana, Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	lb.	.68	.70
Petrolatum, amber, dms., c.l.	lb.	02¾	—
l.c.l.	lb.	.03¾	—
amber, extra, dms.	lb.	.03	—
l.c.l.	lb.	.04	—
white, cream, dms., c.l.	lb.	.04	—
l.c.l.	lb.	.05½	—
lily, dms., c.l.	lb.	.04¾	—
l.c.l.	lb.	.06¼	—
snow, dms., c.l.	lb.	.05½	—
l.c.l.	lb.	.07½	—
Petroleum, crude, bulk, at wells:—			
California	bbl.	.42	1.75
Canada	bbl.	2.10	2.17
Central West:—			
Illinois	bbl.	.53	1.15
Lima	bbl.	.90	—
Michigan	bbl.	.92	1.18
Princeton	bbl.	1.05	—
East Texas	bbl.	1.10	—
Gulf Coast	bbl.	.74	1.41
Kentucky, Tennessee	bbl.	1.10	1.20
Louisiana, Arkansas	bbl.	.73	1.20
Mexico	bbl.	No prices	
Midcontinent:—			
North Texas	bbl.	.51	1.10
Oklahoma-Kansas	bbl.	.58	1.10
Pennsylvania, Ohio, West Virginia:—			
Bradford, Allegany	bbl.	1.85	—
Corning	bbl.	1.12	—
N. Y. Transit lines	bbl.	1.85	—
Eureka lines	bbl.	1.44	—
S. W. Penn lines	bbl.	1.50	—
lower district in National Transit lines.	bbl.	1.73	1.78
Rocky Mountains	bbl.	.51¼	1.80
South Central and Southwestern Texas.	bbl.	.73	1.27
Texas Panhandle	bbl.	.67	.96
West Texas	bbl.	.53	.95
Ether, 30-60°, dms., c.l., G.3,	gal.	.14½	—
l.c.l., G.3.	gal.	.25½	—
tanks, G.3.	gal.	.13½	—
35-60°, dms., l.c.l., G.3.	gal.	.30½	—
40-75°, dms., c.l., G.3.	gal.	.14½	—
l.c.l., G.3.	gal.	.25½	—
tanks, G.3.	gal.	.13½	—
laboratory grade, dms., c.l., G.3.	gal.	.14½	—
c.l., G.3.	gal.	.25½	—
10-gal. lots, G.3.	gal.	.50½	—
Lacquer, diluent, at rfinery:—			
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles.	gal.	.11	—
San Francisco.	gal.	.11½	—
f.o.b. Richmond	gal.	.11	—
Willbridge, Ore., Fort Wells, Wash.	gal.	.12	—
East Coast, tanks.	gal.	.09½	.10
Group 3, toluol type, tanks,	gal.	.07⅜	—
benzol type, tanks.	gal.	.07⅞	—
Naphtha, cleaners', at refinery:—			
East Coast, tanks.	gal.	.09	.10½
Group 3, tanks.	gal.	.06⅞	.07
tankwagon, Boston, ex tax,	gal.	.13½	—
Bridgeport	gal.	.13½	—
Chicago, inc. 4c. tax.	gal.	.18	—
Decatur, inc. 4c. tax.	gal.	.1910	—
tankwagon, Des Moines, inc. 4c. tax.	gal.	.1890	—
Des Moines, inc. 4c. tax,	gal.	.1890	—
Evansville, inc. ex tax.	gal.	.15	.16
Milwaukee, inc. 5c. tax.	gal.	.2030	—
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20½	—
Newark, ex tax.	gal.	.10½	—
New York, ex tax.	gal.	.10½	—
Omaha, ex tax.	gal.	.1490	.1590
Oklahoma City, ex tax.	gal.	.16½	—
Philadelphia, ex tax.	gal.	.12	—
St. Louis, inc. 1c. tax.	gal.	.15½	—
Syracuse, 150 gals.	gal.	.14½	—
smaller lots, galv. drums,	gal.	.10	—
milk cans.	gal.	.21	—
High-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway.	gal.	.20	—
2, over 90% arom., same basis.	gal.	.21	—
3, same basis.	gal.	.22	—
No. 8, tanks, f.o.b. Paulsboro, N. J.	gal.	.16½	—
30, same basis.	gal.	.17½	—
40, same basis.	gal.	.17¾	—
V. M. & P., at refinery:—			
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo.	gal.	.11	—
Richmond	gal.	.11½	—
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12	—
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles,	gal.	.10	—
San Francisco.	gal.	.10½	—
Portland, Seattle.	gal.	.11	—
East Coast, tanks.	gal.	.09½	—
Group 3, tanks.	gal.	.06⅞	.07
tankwagon, Boston, ex tax,	gal.	.14½	—
Chicago, inc. 4c. tax.	gal.	.17	—
Des Moines, inc. 4c. tax.	gal.	.1890	—
Decatur, inc. 4c. tax.	gal.	.1910	—
Evansville, Ind., ex tax.	gal.	.1520	.1620
Milwaukee, inc. 5c. tax.	gal.	.2030	—
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20	—
Newark, ex tax.	gal.	.11½	—
New York, ex tax.	gal.	.10½	—
Omaha, ex tax.	gal.	.1490	.1590
Philadelphia, ex tax.	gal.	.13	—
St. Louis, inc. 1c. tax.	gal.	.1570	—
Solvent, rubber, at refinery, East Coast, tanks.	gal.	.09½	—
Group 3, light, 120 i.b.p., 250 e.p., tanks.	gal.	.06⅞	.07
standard, 180 i.b.p., 288 e.p., tanks.	gal.	.06⅜	.07
Stoddard (CS 3-38), at refinery:—			
East Coast, tanks.	gal.	.08¾	.09½
Group 3, tanks.	gal.	.06⅜	.06½
tankwagon, Boston, ex tax.	gal.	.14	—
Chicago, inc. 4c. tax.	gal.	.1640	—
Decatur, inc. 4c. tax.	gal.	.1860	—
Des Moines, inc. 4c. tax.	gal.	.1840	—
Evansville, Ind., ex tax.	gal.	.14	.15
Milwaukee, inc. 5c. tax.	gal.	.1980	—
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.1820	—
Newark, ex tax.	gal.	.09½	—
New Orleans, ex tax.	gal.	.11	—
New York, ex tax.	gal.	.09½	—
Omaha	gal.	.1360	.1450
Philadelphia, ex tax.	gal.	.13	—
St. Louis, inc. 1c. tax.	gal.	.1340	—
Tulsa, ex tax.	gal.	.10½	.11⅛

SKELLYSOLVE
***in the* OIL, PAINT, *and* DRUG FIELD**

The Skellysolve line includes naphthas specially fractionated for all laboratory and industrial uses. We furnish a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved to be of great value. Write or wire for full information today.

● Inevitably there comes the time when every user of solvents *must have emergency service* from his supplier—or a shutdown is unavoidable.

HOW Skelly manages to "come through" in such emergencies . . . WHY Skelly is in a better position to meet them is a long story of original sources of supply, refining facilities, and distribution organization. Point is—SKELLY DOES COME THROUGH. The Skelly reputation for dependable service was built that way.

Investigate Skellysolve and dependable Skelly Service. Someday you'll be glad you did! Phone, wire, or write Skellysolve Division at address given below.

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Petroleum, thinners, at refinery:—
California, 166-252 b.r., 39.5 a.p.i., tanks, ex tax, Los Angeles..gal. .10 - —
Portland .....gal. .11 - —
San Francisco.....gal. .10½- —
Seattle .....gal. .11 - —
198-290 b.r., 56.4 a.p.i., tanks, ex tax, Los Angeles..gal. .10 - —
Portland .....gal. .11 - —
San Francisco.....gal. .19½- —
Seattle .....gal. .11 - —
246-397 b.r., 47.7 a.p.i., tanks, ex tax, Los Angeles..gal. .10 - —
Portland .....gal. .11 - —
San Francisco.....gal. .10½- —
Seattle .....gal. .11 - —
312-408 b.r., 40.8 a.p.i., tanks, ex tax, Los Angeles..gal. .08½- —
Portland .....gal. .09½- —
San Francisco.....gal. .09 - —
Seattle .....gal. .09½- —
318-393 b.r., 35.2 a.p.i., tanks, ex tax, Los Angeles..gal. .13 - —
Portland .....gal. .14 - —
San Francisco.....gal. .13 - —
Seattle .....gal. .14½- —
East Coast, 43-47, tanks.gal. .08¾- .09½
47-49, tanks.....gal. .10½- —
Group 3, tanks.....gal. .05⅞- —
Tankwagon, tax included:—
Albany .....gal. .13½- —
Baltimore (100 gals.)...gal. .14 - —
25-99 gals.....gal. .16 - —
Boston .....gal. .13½- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .15½- —
Camden, N. J.....gal. .10 - .11½
Chicago .....gal. .1670- —
Decatur .....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420- .1520
Milwaukee .....gal. .1930- —
Minneapolis-St. Paul...gal. .19½- —
Newark .....gal. .09½- —
New York (200 gals)...gal. .09½- —
Omaha .....gal. .12½- —
Pittsburgh .....gal. .11½- .13½
Providence .....gal. .12 - —
Rochester .....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse .....gal. .10½- —
Trenton .....gal. .10½- —
Wilmington, Del.....gal. .12½- —
Phenobarbital, 5-lb. bots.....lb. 3.95 - —
bots. or cns., 100 lbs., spot or contract..lb. 3.60 - —
25-lb. cns.....lb. 3.85 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .13 - —
l.c.l., same basis.....lb. .13¾- —
under 1,000 lbs.....lb. .14¾- —
tanks, works.....lb. .12 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 2.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.45 - 2.50
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine, base, CP, bots. lb. 4.00 - —
hydrochloride, CP, bots., works. lb. 4.00 - —
commercial, kgs., works....lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phlorogiucinol, CP, tins, wks..lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines.... long ton. 2.15 - —
land pebble, 72% min., bulk, mines..long ton. 2.40 - —
75% basis, 74% min., bulk, mines..long ton. 2.90 - —
Tenn., 72% bulk, mines..... long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons, lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .13 - .14
Pilocarpine hydrochloride, bots., vis..oz. 3.25 - 3.75
Nitrate, bots., vis.....oz. 3.15 - 3.65
Pimento, bags.....lb. .14⅜- .15¼
Pinkroot, bls.....lb. .40 - .41
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .07 - .07½
Pomegranate bark, bgs.....lb. .52 - .53
Root bark, bgs.....lb. .47 - .48
Poppy flowers, red, bls.....lb. .75 - .80
Seed, Dutch, bgs.....lb. .20 - .21
Turkish, bgs.....lb. .15½- .16
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd...lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .32 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj.. 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .18 Nom.
kgs., 100 lbs.....lb. .20 Nom.
gran., bbls., 250 lbs.....lb. .18 Nom.
kgs., 100 lbs.....lb. .20 Nom.
Bichromate, spot, c.l., works.lb. .08⅞- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —

Pet., Thinners—Pyrethrum

Potash, bromide, USP, gran., bbls..500 lbs. .27 - —
fib. dms., 100 lbs.....lb. .28 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03125- —
tanks, same basis.....lb. .0275- —
USP, gran., bbls., 325 lbs..lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .03⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .10½- .17
powd., kgs.....lb. .10 - .17
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, cns., dms.....lb. No prices
Cyanide, gold, 11% gold, bots., works..oz. 14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacolsulphonate, fib. dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.55 - —
cns., 25 lbs.....lb. 3.46 - —
Iodide, bbls., 250 lbs.....lb. 1.35 - —
bots. or cns.....lb. 1.54 - 1.80
dms. .....lb. 1.45 - 1.48
Kainit, 20%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices
Manure salt, dom., min., 30%, K_2O, bulk, ex-vessels, ports. unit-ton. .60 - —
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices

Domestic manure salt prices, basis f.o.b., Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices in bags are $2 per ton higher than bulk prices.

Metabisulphite, kgs.....lb. .15 Nom.
Muriate, dom., min., 50% or 62%, K_2O, bulk, ex-vessel, ports..unit-ton. .53½- —
import, min. 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port...unit-ton. No prices
Atlantic or Gulf ports.

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices, basis f.o.b. Trona, Cal., are 8c. per unit of K_2O less than the ex-vessel price. Prices in bags are $2 per ton higher than the bulk price.

Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports. ton. No prices
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .45 Nom.
Yellow, bbls.....lb. .17 - .19
Recinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs..lb. .07 - —
Sulphate, NF, cryst., 400 lbs., bbls..lb. .18 Nom.
100-lb. kgs.....lb. .20 - —
powd., 350 lbs., bbls....lb. .19 Nom.
100-lb. kgs.....lb. .21 - —
tech., dom., bgs., basis 90%, K_2SO_4, ex-vessel, ports..ton. No prices
bulk, same basis.....ton. No prices
imp., min., 90%, bgs., ex-vessel, Atl. or Gulf ports. ton. No prices
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt.. ton. No prices
Potash-soda ferricyanide, dms., works..lb. .36 - .39
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .28 - .30
Prince's pine herb, bls.....lb. .22 - .23
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .75 - .80
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
F and 1, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
O, O-½, O-¾, and ½, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
Ital.-grd., bgs., c.l., ship., ex dock, N.Y..ton. No prices
l.c.l., 5-29 tons, ex whse.. ton. No prices
1,000-10,000 lbs., ex whse. ton. No prices
2 bgs. to 1,000 lbs., ex whse. ton. No prices
single bgs., ex whse..ton. No prices
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless..gal. 4.95 - —
(30 to 1), 3.6% pyrethrin, 55-gal. dms. (incl.), frt. alld., or dlvd., on 15 gals. or more, standard brand, colorless..gal. 7.35 - —
Pyrethrum flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .23 - .24
fine powd. Japan, bbls., ton lots, frt., alld..lb. .25 - .26

SOLVAY PRODUCTS

TRADE MARK REG. U. S. PAT. OFF.

SOLVAY CAUSTIC POTASH LIQUOR

(Made in U. S. A.)

also SOLID — LUMP FLAKE — GROUND

Shipped in tank cars, Solvay Liquid Potash contains 48% to 50% Potassium Hydroxide. In drums, this clear liquor contains 45% KOH. But whether shipped in tank cars or drums, Solvay Caustic Potash Liquor *is free from sludge impurities.*

SOLVAY CAUSTIC POTASH, like all Solvay products, "measures up" in every way to meet the actual performance standards of the trades in which it is used. In the dry forms (solid, lump, flake or ground) it contains 88-92% KOH.

Write for a copy of the Solvay Products Book which contains information on this and other Solvay products. Write to Dept. AG-9.

OTHER SOLVAY PRODUCTS

Soda Ash—Caustic Soda—Modified Sodas—Special Alkalies—Heavy Duty Cleansers—Nitrite of Soda—Liquid Chlorine—Calcium Chloride — Ammonium Chloride — Para-Dichlorobenzene — Orthodichlorobenzene — Ammonium Bicarbonate — Potassium Carbonate (Liquid 47% — Granular Hydrated 83-85%—Dustless Calcined 98-100%).

SOLVAY SALES CORPORATION

Alkalies and Chemical Products Manufactured by The Solvay Process Company

40 RECTOR STREET NEW YORK, N. Y.

BRANCH SALES OFFICES:

Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, New Orleans, New York, Philadelphia, Pittsburgh, St. Louis, Syracuse

STANDARD SINCE 1881

Pyridin—Soda, Glycerophos.

Pyridin, denaturing, dms	gal.	1.71	—
refd., 2°, dms	lb.	.51	—
Pyrites, Spanish, bulk, c.i.f. Atl. ports	unit-ton.	.12-.13	Nom.
Pyrocatechin, CP, cryst., works, fib. dms., tins	lb.	2.15	- 2.40
resublimed, fib. dms., tins	lb.	4.60	—
Pyrophylite, standard, 200 mesh, c.l., mines	ton.	9.00	—
325 mesh ,same basis	ton.	12.00	—
No. 3, 200 mesh, c.l., mines	ton.	7.50	—
325 mesh, same basis	ton.	12.00	—
Pyroxylin scrap, amber, cs., works	lb.	.12	—
black, cs., works	lb.	.10	—
china white, ivory, cs., works, lb.		.13	—
dense, white, cs., works	lb.	.10	—
gray, cs., works	lb.	.08	—
mixed, mottles, opaque, cs., works	lb.	.04	—
translucent pastels, cs., works	lb.	.10	—
transparent, cs., works	lb.	.20	—
colors, cs., works	lb.	.12	—
shavings, amber, cs., works	lb.	.16	—
colors, mixed, cs., works	lb.	.10	—
white, cs., works	lb.	.15	—

Q

Quassia chips, bls	lb.	.05	- .06
Quebracho extract, liquid, 35% tan, bbls., works	lb.	.04	—
tanks, works	lb.	.03½	—
solid, 63%, bgs., c.l., ex dock, plus duty	lb.	.04¼	—
clarified, 64%, bgs., c.l., same basis	lb.	.04⅝	—
Queen of the meadow leaves, bgs	lb.	.07½	.08
Root, bgs	lb.	.10	- .11
Quercitron, extract, liquid, 51°, bbls	lb.	.08½	- .09¼
solid, dms	lb.	.11	- .16½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y.	flask.	180.00	-182.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance	flask.	207.00	—
ex store	flask.	209.00	—
Quince seed, bgs	lb.	1.10	- 1.15
Quinidine, N.F.V., cryst., cns	oz.	1.06	—
powd., precip., cns	oz.	1.01	—
Sulphate, cns	oz.	.71	—

Subject to surcharge of 7c. per oz.; see note under Quinine.

Quinine, 100 ozs., cns	oz.	.84	—
Acetate, cns	oz.	1.05	—
Arsenate, cns	oz.	1.05	—
Arsenite, cns	oz.	1.07	—
Bisulphate, cns	oz.	.60	—
Citrate, cns	oz.	.78	—
Dihydrobromide, bots	oz.	.82	—
Dihydrochloride, bots	oz.	.82	—
Ethylcarbonate, cns	oz.	.85	—
Ferrocyanide, cns	oz.	1.07	—
Formate, cns	oz.	1.00	—
Glycerophosphate, cns	oz.	1.20	—
Hydrochloride, cns	oz.	.76	—
Hydrochlorosulphate, cns	oz.	.81	—
Hydroiodide, cns	oz.	1.05	—
Hypophosphite, cns	oz.	1.07	—
Phosphate, cns	oz.	.90	—
Salicylate, cns	oz.	.79	—
Sulphate, USP, XI, cns	oz.	.67	—
Sulphocarbonate, cns	oz.	1.05	—
Tannate, cns	oz.	.63	—
Tartrate, cns	oz.	1.03	—
Valerate, cns	oz.	.99	—

Quinine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns	oz.	.81	—

Subject to surcharge of 7c. per oz.; see note under Quinine.

R

R, salt, dry, bbls	lb.	.53	—
paste, dms	lb.	.52	—
Rapeseed, Belgian, bgs	lb.	.05½	Nom.
Dutch, black, bgs	lb.	.12	- .13
Japanese, bags	lb.	.10½	- .11
Raspberries, dried, bls	lb.	.60	- .65
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	1.10	- 1.90

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.). Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld.	lb.	.90	—
smaller lots, same basis	lb.	.95	—
kgs., ton lots, same basis	lb.	.95	—
smaller lots, same basis	lb.	1.00	—
light shade, bbls., ton lots, same basis	lb.	.75	—
smaller lots, same basis	lb.	.80	—
light, shade, kgs., ton lots, same basis	lb.	.80	—
smaller lots, same basis	lb.	.85	—
light-medium shade, bbls., ton lots, same basis	lb.	.80	—
smaller lots, same basis	lb.	.85	—
kgs., ton lots, same basis	lb.	.85	—
smaller lots, same basis	lb.	.90	—
maroon shades, bbls., ton lots, same basis	lb.	1.00	—
smaller lots, same basis	lb.	1.05	—
kgs., ton lots, same basis	lb.	1.05	—
smaller lots, same basis	lb.	1.10	—
medium shade, bbls., ton lots, same basis	lb.	.85	—
smaller lots, same basis	lb.	.90	—
kgs., ton lots, same basis,	lb.	.90	—
smaller lots, same basis	lb.	.95	—
Selenide, bbls., dark, works	lb.	2.70	—
light, works	lb.	2.40	—
orange, bbls., 100-lb. lots, works	lb.	1.50	—
Carmine, 40, dms., 100 lbs	lb.	4.50	—
50 lbs	lb.	4.60	—
cns., 5 lbs	lb.	4.75	—
1 lb	lb.	4.85	—
Red, Crocus martis (see Red, purple oxide).			
Eosin toner, bbls	lb.	1.35	- —
Indian, pure, bbls., f.o.b., Bethlehem, Easton, E. St. Louis, N. Y.	lb.	.08¾	—
80%-85%, bbls., same basis	lb.	.07¾	—
Iron oxide (see Red oxide).			
Lake C toner, bbls., same basis, alizarin, lake, contracts	lb.	.90	—
open order	lb.	.90	—
Lithol toner, bbls., same basis, alizarin, lake, contracts	lb.	.55	—
open order	lb.	.60	—
Rose lake, bbls	lb.	.20	- .25
Pink, bbls	lb.	.15	- .20
Lithol-rubine toner, bbls., same basis, alizarin lake	lb.	1.35	—
Maroon lake, 25%, kgs., same basis alizarin lake contracts	lb.	.40	—
Oxide (see Red, purple oxide).			
Mercury oxide, tech., dom., bbls	lb.	3.11	—
Metallic, bbls., Pa., works	lb.	.02	—
Orange, Persian (see O).			
Oxide, pure, bbls., c.l., works	lb.	.08½	—
l.c.l., works	lb.	.09¼	—
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio	lb.	.08¼	—
80% copperas oxide, bbls., same basis	lb.	.07¾	—
Para, toner, concent., kegs, same basis alizarin lake, contracts	lb.	.70	—
open order	lb.	.75	—
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb.	lb.	.05	—
ex whse., Chicago, St. Louis	lb.	.05⅝	—
San Fran., Los Ang., Portland, Seattle	lb.	.05¼	—
Phloxin toner (see Red, Eosin toner)			
Phosphotungstic rhodamine Y, kgs.	lb.	3.90	—
Purple lake, kgs	lb.	.60	- 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis	lb.	.03	—
Toner, kgs	lb.	1.50	- 2.00
Scarlet ink toner, kgs., same basis alizarin lake	lb.	.55	—
Lake, kgs., same basis alizarin lake	lb.	.25	- .30
Spanish, oxide, bbls., f.o.b. N.Y.	lb.	.04½	—
Toluidine toner, kgs., same basis alizarin lake	lb.	1.05	—
Tuscan, bbls., f.o.b. N. Y., E. St. Louis	lb.	.11	- .40
Venetian, bbls, works	lb.	.0220	—
10%, bbls., works	lb.	.0245	—
15%, bbls., works	lb.	.0265	—
20%, bbls., works	lb.	.02¾	—
25%, bbls., works	lb.	.03	—
30%, bbls., works	lb.	.03¼	—
35%, bbls., works	lb.	.0360	—
40%, bbls., works	lb.	.04	—
Vermilion, Amer., bbls., same basis alizarin lake	lb.	.15	—
quicksilver, bbls., 5 tons	lb.	No prices	
smaller lots	lb.	3.27	- 3.32

Red dyes are listed under Dyes.

Red precipitate, N. F., powd., fib., dms., 50 lbs. or more	lb.	3.36	—
Red saunders wood, ground, bbls.	lb.	.12	- .17
Resorcinol, tech., 200 lb. dms., frt., alld., E. of Miss.	lb.	.68	—
smaller quantities, works	lb.	.74	—
U.S.P., cryst, 100 lb., dms., frt., alld., E. of Miss.	lb.	1.80	—
Rhatany root, bgs	lb.	.12	- .14
Rhodinol, bots	lb.	5.50	-10.90
Rhubarb, bots	lb.	.53	- .55
powd., bbls., kgs	lb.	.55	- .60
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't	lb.	.25¾	—
smaller lots	lb.	.26¼	—
powd., bbls., 5,000 lbs., 1 ship't	lb.	.24¾	—
smaller lots	lb.	.25¼	—
Rose flowers, pale, bls	lb.	.45	- .50
red, bls	lb.	2.50	- 3.00
Rosemary, flowers, bls	lb.	.45	- .50
leaves, bls	lb.	.09	- .10
Rosin, gum, B, bbls. ex dock	100 lbs.	1.70	—
D, bbls	100 lbs.	1.89	—
E, bbls	100 lbs.	2.06	—
F, bbls	100 lbs.	2.28	—
G, bbls	100 lbs.	2.31	—
H, bbls	100 lbs.	2.31	—
I, bbls	100 lbs.	2.31	—
K, bbls	100 lbs.	2.31	—
M, bbls	100 lbs.	2.35	—
N, bbls	100 lbs.	2.51	—
W, G., bbls	100 lbs.	2.80	—
W. W., bbls	100 lbs.	2.99	—
X, bbls	100 lbs.	2.99	—
Rosin, wood, bbls	100 lbs.	1.90	Nom.
Rottenstone, dom., bgs., c.l., f.o.b. mines	ton.	25.50	—
l.c.l., f.o.b. mines	ton.	37.50	—
Import, lump, bbls	lb.	No prices	
powd., bbls	lb.	No prices	
Rue, bls	lb.	.30	- .35

S

Sabadilla seed, powd., bbls	lb.	.22	- .28
Saccharin, dms., 100 lbs	lb.	1.45	—
cns., 25 lbs	lb.	1.48	- 1.50
Safflower, bls	lb.	.35	- .40
Saffron, Mexican, bls	lb.	.35	- .40
Spanish, tins	lb.	28.00	-29.00
Safrol, cns	lb.	1.05	- 1.10
dms	lb.	1.00	- 1.05
Sage, Dalmatian, stemless	lb.	.40	- .41
garden, bls	lb.	No stocks	
Sago flour, bgs	lb.	.04	Nom.
Salicin, bots., 5 lbs	lb.	7.04	—
cns., 25 lbs	lb.	7.00	—
Salol, gran., bbls., 200 lbs	lb.	.90	—
bxs., 25 lbs	lb.	.93	—
kgs., 100 lbs	lb.	.90	—
powd., fib. dms., 25 lbs	lb.	1.03	—
kgs., 100 lbs	lb.	1.00	—
Salt, rock, bgs., dlvd., N.Y.	ton.	13.20	-13.38
l.c.l., bgs., dlvd., N.Y.	ton.	15.00	-15.60
vacuum, common, fine, bgs., c.l., dlvd., N.Y.	ton.	15.70	—
l.c.l., dlvd., N.Y.	ton.	16.60	-19.70
Saltcake, grd., dom., bbls., works	ton.	24.00	Nom.
bulk, works	ton.	17.00	Nom.
import, bulk, c.i.f.	ton.	20.00	Nom.
Chrome (see Chrome cake).			
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls.	100 lbs.	8.10	- 9.10
1-9 tons	100 lbs.	8.25	- 9.25
less than ton lots	100 lbs.	8.50	- 9.50
gran., bbls., 10-20 tons, 100 lbs.		7.10	—
1-9 tons	100 lbs.	7.25	—
less than ton lots	100 lbs.	7.50	—
powd., bbls., 10-20 tons	100 lbs.	8.10	—
1-9 tons	100 lbs.	8.25	—
less than ton lots	100 lbs.	8.50	—
Santonin, cryst., cns	kilo.	145.00	-150.00
Saponin, crude, cns	lb.	2.25	- 2.50
purified, cns., 25 lbs	lb.	3.00	- 3.25
Sarsaparilla root, Honduras, bls.	lb.	.30	- .31
Mexican, bls	lb.	.13	- .14
Sassafras, bark, ord., bls	lb.	.13	- .14
select, bls	lb.	.20	- .21
Savory, bales	lb.	.40	—
Saw palmetto berries, bgs	lb.	.08	- .09
Scammony root, bgs	lb.	.07	- .08
resin, lump, cns	lb.	.85	—
powd., bxs	lb.	.90	—
Schaeffer's salt, bgs	lb.	.16	—
Seidlitz mixture, bbls., 5,000 lbs., 1 shipmt	lb.	.20¼	—
smaller lots	lb.	.20½	—
kegs, 5,000 lbs., 1 shipm't	lb.	.20¾	—
smaller lots	lb.	.21¼	—
Selenium, pwd., A, 10-lb. tins	lb.	2.00	—
100-lbs. cases	lb.	1.75	—
Senega root, spot, bls	lb.	.65	- .70
Senna leaves, Alexandria, half leaf, bls	lb.	.16	- .17
siftings, bgs	lb.	.16	- .17
Tinnevelly, No. 1, bls	lb.	.12	- .13
2 bls	lb.	.10	- .11
3 bls	lb.	.08½	- .09
powd., bbls., bxs	lb.	.12	- .13
Pods, bls	lb.	.09	- .10
Serpentaria root, bls	lb.	.65	- .70
Shellac, bleached, bonedry, bbls., f.o.b., N.Y.	lb.	.25	- .26
dlvd., Boston	lb.	.25½	- .26¼
Chicago	lb.	.25¾	- .26¾
Pacific Coast	lb.	.28	- .29
rfd., bbls., f.o.b. N.Y.	lb.	.31	- .32
dlvd., Boston	lb.	.31½	- .32¼
Chicago	lb.	.31¾	- .32¾
Pacific Coast	lb.	.34	- .35
Garnet, bgs	lb.	.19½	—
Orange, D.C., VSO., Diamond I, cases	lb.	.25½	- .26
Superfine, bgs., f.o.b. Bost., N. Y.	lb.	.14½	—
dlvd., Chicago	lb.	.15	- .15⅝
Pacific Coast	lb.	.17½	- .18
T.N., bgs., f.o.b. Bost., N.Y.	lb.	.14	- .14¼
dlvd., Chicago	lb.	.14½	- .15
Pacific Coast	lb.	.17	- .17⅛
Varnish, Metro, area, orange, 5-lb. cut, bbls.	gal.	1.05	- 1.10
4½-lb. cut, bbls	gal.	1.00	- 1.05
4-lb. cut, bbls	gal.	.95	- 1.00
white, 5-lb. cut, bbls	gal.	1.15	- 1.20
4½-lb. cut, bbls	gal.	1.10	- 1.15
4-lb. cut, bbls	gal.	1.05	- 1.10

Prices, dlvd., Boston or Chicago, 10c. per gal. higher.

Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works	ton.	17.00	—
l.c.l., 2½ tons, works	ton.	19.00	—
smaller lots, works	ton.	20.00	—
wet-grd., 95-97%, 325 mesh, bgs., c.l., works	ton.	19.00	—
l.c.l., 2½ tons, works	ton.	21.00	—
smaller lots, works	ton.	25.00	—
wet-grd., 95-97%, 400 mesh, bgs., c.l., works	ton.	30.00	—
l.c.l., 2½ tons, works	ton.	35.00	—
smaller lots, works	ton.	38.00	—
96-98%, 325 mesh, bgs., c.l., works	ton.	20.00	—
l.c.l., 2½ tons, works	ton.	21.50	—
smaller lots, works	ton.	23.00	—
99%, 325 mesh, bgs., c.l., works	ton.	22.00	—
l.c.l., 2½ tons, works	ton.	25.50	—
smaller lots	ton.	27.00	—
hard-quartz, 99½%, 325 mesh, bgs., c.l., works	ton.	13.50	—
l.c.l., works	ton.	18.50	—
140 mesh, bgs., c.l., works	ton.	11.00	—
l.c.l., works	ton.	16.00	—
Silver, bullion	oz.	.34¾	—
Govt. purchase, dom., metal	oz.	.7111	—
Govt. purchase, foreign metal	oz.	.35	—
Cyanide, cns., 2,500 ozs	oz.	No prices	
1,000 ozs	oz.	No prices	
500 ozs	oz.	No prices	
80 to 100 ozs	oz.	No prices	
Nitrate, vis	oz.	.26¾	—
Nucleinate, bots., cns., 480-oz. lots	oz.	.30	- .31
Proteinate, bots., cns., 480-oz. lots	oz.	.29	- .30
Simarubra barks, bls	lb.	.30	- .35
Skatol, bots	lb.	75.00	-80.00
Skullcap, Eastern, bls	lb.	.23	- .24
Western, bls	lb.	.14	- .15
Skunk cabbage root, bls	lb.	.11	- .12
Slate flour, bgs., c.l., works	ton.	9.00	—
l.c.l., works	ton.	10.00	-15.00
Sloe berries, bgs	lb.	.20	- .22
Smalt, black, extra velvet, cnts.,	lb.	.05	- .08
Blue, cnts	lb.	.07	- .08½
Snakeroot, Canada, bls	lb.	.24	- .26
Soapbark, bls	lb.	.13	- .14
crushed, bls., bbls	lb.	.17	- .18
cut, German, bls., bbls	lb.	No stocks	
dom., bbls	lb.	.22	- .23
powd., bbls	lb.	.20	- .21
Soda, acetate, anhyd., dms., dlvd.	lb.	.08½	- .10
flake, gran., powd., 60%, dms., c.l., dlvd	lb.	.04	—
l.c.l., dlvd	lb.	.04½	- .05
powd., 90%, dms., c.l., dlvd.,	lb.	.06	—
l.c.l., dlvd	lb.	.06¾	—
Alginate, dms., bbls., works	lb.	.39	- .70
Antimoniate, bbls., dlvd	lb.	.14½	- .15
Arsenate, dms., dealers, c.l., works	lb.	.07	- .08
l.c.l., dms., works	lb.	.07¾	- .08¾
Arsenite, dry, gray, dms., c.l., dealers, works	lb.	.06½	- .07½
l.c.l., dms., works	lb.	.07¼	- .09¼
white, dms., c.l., dealers, works	lb.	.08	- .09
l.c.l., dms., works	lb.	.08¾	- .10¾

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works	100 lbs.	1.10	—
l.c.l., Zone 1	100 lbs.	2.13	—
2	100 lbs.	2.28	—
3	100 lbs.	2.53	—
4	100 lbs.	2.93	—
bbls., c.l., works	100 lbs.	1.35	—
l.c.l., Zone 1	100 lbs.	2.35	—
2	100 lbs.	2.50	—
3	100 lbs.	2.75	—
4	100 lbs.	3.15	—
bulk, c.l., works	100 lbs.	.95	—
extra light, 58%, bgs., c.l., works	100 lbs.	1.05	- 1.08
l.c.l., Zone 1	100 lbs.	2.08	—
2	100 lbs.	2.23	—
3	100 lbs.	2.48	—
4	100 lbs.	2.68	—
Soda, ash, extra light, 58%, bbls., c.l., works	100 lbs.	1.45	—
2	100 lbs.	2.60	—
3	100 lbs.	2.85	—
4	100 lbs.	3.25	—
bulk, c.l.	100 lbs.	.90	—
light, 58%, bgs., c.l., works	100 lbs.	1.05	- 1.08
l.c.l., Zone 1	100 lbs.	2.08	—
2	100 lbs.	2.23	—
3	100 lbs.	2.48	—
4	100 lbs.	2.88	—
bbls., c.l., works	100 lbs.	1.35	—
l.c.l., Zone 1	100 lbs.	2.35	—
2	100 lbs.	2.50	—
3	100 lbs.	2.75	—
4	100 lbs.	3.15	—
bulk, c.l.	100 lbs.	.90	—

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U. S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more	lb.	.39	—
1,000 to 3,900 lbs	lb.	.40	—
900 lbs. or less	lb.	.43	—
USP, bbls., fib., 4,000 lbs. or more	lb.	.46	—
1,000 to 3,900 lbs	lb.	.47	—
900 lbs. or less	lb.	.50	—
Bicarbonate, tech., bbls., c.l., works	100 lbs.	1.70	—
l.c.l.	100 lbs.	2.05	—
bgs., c.l.	100 lbs.	1.55	- 1.60
l.c.l.	100 lbs.	1.90	- 1.95
USP, gran., bbls., c.l., works	100 lbs.	2.25	—
powd., bbls., c.l., works	100 lbs.	1.85	—
l.c.l., dlvd., N. Y.	100 lbs.	2.51	—
kgs., c.l.	100 lbs.	2.10	—
l.c.l., dlvd., N.Y.	100 lbs.	2.76	—
Bichromate, spot, c.l., works	lb.	.06¾	—
l.c.l., 6 cks. or 10 bbls. or over, works	lb.	.07	—
5 cks. or 9 bbls. or less, works	lb.	.07¼	—
Bifluoride, bbls	lb.	.11¼	- .13
Bisulphite, powd., bbls., c.l., bbls., works	100 lbs.	3.00	- 3.10
l.c.l., works	100 lbs.	3.50	- 3.60
solution, 32 deg., bbls., c.l., works	100 lbs.	1.30	—
l.c.l., bbls., works	100 lbs.	1.55	—
33 deg., bbls., c.l., works	100 lbs.	1.35	—
l.c.l., bbls., works	100 lbs.	1.60	—
35 deg., bbls., c.l., works	100 lbs.	1.40	—
l.c.l., bbls., works	100 lbs.	1.65	—
44 deg., bbls., works	100 lbs.	1.55	—
l.c.l., bbls., works	100 lbs.	1.80	—
Bromide, USP, gran., bbls., 500 lbs.	lb.	.27	—
fiber dms., 100 lbs	lb.	.28	—
Cacodylate, 1-kilo bots	lb.	6.00	—
Carbonate (see Soda ash, soda monohydrated, soda sal).			
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works	100 lbs.	2.95	—
dms., c.l., works	100 lbs.	2.70	—
l.c.l., Zone 1	100 lbs.	3.55	- 4.90
2	100 lbs.	3.70	- 5.00
3	100 lbs.	3.95	- 5.30
4	100 lbs.	4.35	- 5.70
electro process, dms., c.l., works	100 lbs.	2.70	—
l.c.l., same zone prices as ammonia process.			
liquid, 47-49%, buyers' tanks, works	100 lbs.	1.92½	—
sellers' tanks, works,	100 lbs.	1.95	—
70%, buyers, tanks, works	100 lbs.	1.97½	—
sellers' tanks, works,	100 lbs.	2.00	—
solid, 76% ammon., process, dms., c.l., works	100 lbs.	2.30	—
l.c.l., Zone 1	100 lbs.	3.15	—
2	100 lbs.	3.30	—
3	100 lbs.	3.55	—
electro process, dms., c.l., works	100 lbs.	2.30	—
l.c.l., same zone prices as ammon process.			

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works	lb.	.06¼	—
l.c.l., works	lb.	.06½	—
powd., bgs., c.l., works	lb.	.06¼	—
l.c.l., works	lb.	.07	- .08¼
Chromate, spot, c.l., works	lb.	.08¼	—
l.c.l., 6 cks., 10 bbls. or over, works	lb.	.08¾	—
smaller quantities	lb.	.08¾	—
Citrate, USP VIII, 225-lb. bbls.,	lb.	.18½	—
cns., 50-lb. lots	lb.	.20¼	—
25-lb. lots	lb.	.22½	- .23½
kgs., 100-lb. lots	lb.	.19½	—
USP XI, gran., bbls., 250-lb. lots	lb.	.24	—
boxes, 50-lb. lots	lb.	.26	—
cns., 25-lb. lots	lb.	.28	- .30
kgs., 100-lb. lots	lb.	.25	—
USP XI, powd., bbls., 250-lb. lots	lb.	.24½	—
boxes, 50-lb. lots	lb.	.26½	—
cns., 25-lb. lots	lb.	.29½	—
kgs., 100-lb. lots	lb.	.25½	—
Cyanide, 96-98%, dom., dms	lb.	.14	- .15
Import, 90%, cs	lb.	No price	
Diacetate, 33-35% acidity, bbls., dlvd	lb.	.09	—
Fluoride, white, 90%, bbls., c.l., frt. alld	lb.	.07	—
l.c.l., 10 or over, same basis	lb.	.07½	—
1-9, same basis	lb.	.08	—
95%, bbls., c.l., same basis, lb.		.07¼	—
l.c.l., 10 or over, same basis	lb.	.07⅝	—
1-9, same basis	lb.	.08¼	—

Soda fluoride prices at Los Angeles are f.a.s. works.

Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots	lb.	1.10	—
smaller lots	lb.	1.25	—
cns., 25 lbs	lb.	1.50	—

Soda, glycerophosphate, powd., bbls., 1,000-lb. lots	lb.	1.15 - —
smaller lots	lb.	1.30 - —
cns., 25 lbs.	lb.	1.55 - —
Hydrosulphite, dms.	lb.	.16 - .17
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots	lb.	.20 - .22
Hypophosphite, N. F., cns., 100-lb. lots	lb.	.67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd., 100 lbs.		2.25 - —
bbls., same basis	100 lbs.	2.45 - —
l.c.l., bgs., works, frt. equal'd	100 lbs.	2.50 - —
bbls., same basis	100 lbs.	2.70 - —
pea, bgs., c.l., works	100 lbs.	2.60 - —
bbls., works	100 lbs.	2.80 - —
dms., works	100 lbs.	3.10 - —
5,000 lbs. and over, bgs., works	100 lbs.	2.75 - 3.00
bbls., works	100 lbs.	2.95 - 3.20
dms., works	100 lbs.	3.25 - 3.60
2,500 to 5,000 lbs., bgs., works	100 lbs.	2.85 - 3.10
bbls., works	100 lbs.	3.05 - 3.30
dms., works	100 lbs.	3.35 - 3.60
500 to 2,500 lbs., works,	100 lbs.	3.10 - 3.25
bbls., works	100 lbs.	3.30 - 3.55
dms., works	100 lbs.	3.60 - 3.85
less than 500 lbs., bgs., works	100 lbs.	3.70 - 3.95
bbls., works	100 lbs.	3.90 - 4.15
dms., works	100 lbs.	4.20 - 4.45
Iodate, jars	lb.	5.49 - —
Iodide, jars	lb.	2.42 - —
bots.	lb.	2.53 - 2.59
Mandelate, dms., 100-lb. dms.	lb.	3.25 - —
Metaniate, kgs.	lb.	.41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equal'd	100 lbs.	3.75 - —
15 dms. and over, dlvd. N.Y.	100 lbs.	4.65 - —
3-14 dms., same basis	100 lbs.	4.80 - —
1-2 dms., same basis	100 lbs.	5.05 - —
gran., bbls., c.l., works	lb.	2.35 - —
10 bbls. and over, dlvd., N.Y.	lb.	3.10 - —
1-9 bbls., dlvd. N. Y.	lb.	3.35 - —
Molybdate, kgs., works	lb.	.60 - —
less kgs.	lb.	.65 - —
Monohydrated, bbls.	100 lbs.	2.60 - —
works	100 lbs.	2.80 - —
Naphthionate, bbls.	lb.	.50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, August, rail or boat shipment	ton.	29.00 - —
200 lb. bgs., same basis	ton.	28.30 - —
bulk, same basis	ton.	27.00 - —
rfd., gran., bbls., 10 tons,	100 lbs.	2.50 - —
1-9 tons	100 lbs.	2.65 - —
smaller lots	100 lbs.	2.90 - —
powd., bbls., 10 tons	100 lbs.	5.50 - —
1-9 tons	100 lbs.	5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized,	lb.	.06¾- —
c.l., West Coast, f.o.b. ports	lb.	.08 - —
l.c.l.	lb.	.08¼- .11¼
Soda nitrite l.c.l. price range represents delivery at various points.		
Orthosilicate, flake, dms., c.l., works	100 lbs.	3.00 - —
Oxalate, neut., bbls.	lb.	.09 - —
kgs.	lb.	.10 - .11
Perborate, N.F., bbls., c.l., works	lb.	.14¾- —
l.c.l., works	lb.	.15¼- —
Pentachlorphenate briquets, single bgs., works	lb.	.26 - —
70 lbs., bgs., works	lb.	.19½- —
490 lbs., bgs., works	lb.	.17½- —
powd., 100 lbs., bgs., works,	lb.	.19 - —
500 lbs., bgs., works	lb.	.17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works	100 lbs.	5.15 - —
l.c.l., works	100 lbs.	6.10 - —
bbls., c.l., works	100 lbs.	5.35 - —
l.c.l., works	100 lbs.	6.30 - —
cryst., tech., bgs., c.l., works,	100 lbs.	2.10 - —
l.c.l., works	100 lbs.	2.50 - —
bbls., c.l., works	100 lbs.	2.30 - —
l.c.l., works	100 lbs.	2.70 - —
monobasic, anhyd., bgs., c.l., works	100 lbs.	7.25 - —
l.c.l., works	100 lbs.	8.00 - —
bbls., c.l., works	100 lbs.	7.45 - —
l.c.l., works	100 lbs.	8.20 - —
tribasic, bgs., c.l., works	lb.	2.25 - —
l.c.l., works	100 lbs.	2.65 - —
bbls., c.l., works	100 lbs.	2.45 - —
l.c.l., works	100 lbs.	2.85 - —
kgs., c.l., works	100 lbs.	2.95 - —
l.c.l., works	100 lbs.	3.55 - —
USP (dibasic), bbls., works,	lb.	.09 - .11
dried, bbls., dms., works	lb.	.11½- .14
Picramate, kgs.	lb.	.65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more	lb.	.10½- —
contracts	lb.	.09½- —
smaller lots	lb.	.10¾- —
contracts	lb.	.09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt. equal'd.	100 lbs.	5.10 - —
l.c.l., same basis	100 lbs.	5.35 - 5.60
bbls., c.l., works, frt. equalized	100 lbs.	5.30 - —
l.c.l., same basis	100 lbs.	5.55 - 5.80
Ricinoleate, tech., bbls.	lb.	.12 - —
Sal., bgs., dlvd. N. Y.	100 lbs.	1.20 - —
works	100 lbs.	1.00 - —
bbls., dlvd. N. Y.	100 lbs.	1.30 - —
works	100 lbs.	1.10 - —
Salicylate, bxs.	lb.	.52 - —
Sesquicarbonate, bgs., c.l., works,	100 lbs.	1.50 - —
bbls., c.l., works	100 lbs.	1.70 - —
bbls., l.c.l., Zone 1	100 lbs.	2.70 - —
2	100 lbs.	2.85 - —
3	100 lbs.	3.10 - —
4	100 lbs.	3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.		
Sesquisilicate, dms., c.l., works,	100 lbs.	2.90 - —
10 dms. or over, dlvd. N. Y. C.	lb.	4.00 - —
1-9 dms.	lb.	4.25 - —
Silicate, 40° turbid, dms., c.l., works	100 lbs.	.80 - —
l.c.l., 5 or more, works,	100 lbs.	1.05 - —
1 to 4, works	100 lbs.	1.20 - —
52°, dms., c.l., works	100 lbs.	1.40 - —
l.c.l., 5 or more, works,	100 lbs.	1.65 - —
1 to 4, works	100 lbs.	1.80 - —
Silicofluoride, dom., bbls.	lb.	No prices
import, bbls.	lb.	.09¼ Nom.
Stannate, dms.	lb.	No price
Stearate, lump, powd., bbls., works	lb.	.19 - .24
Soda, sulphate, anhyd., bgs., bbls., c.l., works	100 lbs.	1.45 - 1.65
5 tons or over, works,	100 lbs.	1.70 - 1.90
less than 5 tons, works,	100 lbs.	1.95 - 2.15
cryst. (see Glauber's salt).		
Sulphide, cryst., bbls., c.l., works	100 lbs.	2.25 - —
l.c.l., 5 tons or over., dlvd.,	100 lbs.	2.75 - —
less than 5 tons, dlvd.,	100 lbs.	3.00 - —
solid, bbls., c.l., works	100 lbs.	3.00 - —
l.c.l., 5 tons or over, dlvd.,	100 lbs.	3.50 - —
less than 5 tons, dlvd.,	100 lbs.	3.75 - —
cryst., bgs., 160 lbs., works	lb.	2.10 - 2.35
bbls.	100 lbs.	2.30 - 2.55
Sulphite, powd., bbls., c.l.,	100 lbs.	5.25 - —
l.c.l., 5 or more	100 lbs.	5.50 - —
1 to 4	100 lbs.	6.00 - —
Sulphocarbolate, cs.	lb.	.27 - .28
Sulphocyanide, dms., cns.	lb.	.28 - .47
Sulphydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works	lb.	.05¼- —
l.c.l., works	lb.	.06 - —
single dm. lots, works	lb.	.06 - —
tanks, works	lb.	.04½- —
Sulphoricinoleate, bbls.	lb.	.12 - —
Thiosulphate (see Hyposulphite).		
Tungstate, CP, kgs.	lb.	No prices
tech., kgs.	lb.	No prices
Solvent, naphtha, dms., wks., tanks, E. of Omaha, frt. alld.,	gal.	.31 - —
W. Coast, f.o.b. Minnequa, Colo.	gal.	.26 - —
High-flash, dms., works., tanks, E. of Omaha, frt. alld.	gal.	.31 - —
Sorbitol, com'l, dms., c.l., works,	lb.	.26 - —
ton lots, contracts, works,	lb.	.14¾- —
smaller lots, works.	lb.	.15¼- —
Soybean protein, bgs., c.l., works,	lb.	.15¾- —
l.c.l., works	lb.	.12 - —
Sparteine sulphate, cns.	oz.	.12½- .15
Spearmint leaves, bls.	lb.	1.50 - 1.60
Spikenard root, bls.	lb.	.28 - .29
Spruce extract, reg., bbls., c.l., works.	lb.	.18 - .20
tanks, works	lb.	.01¾- —
powd., super, bgs., c.l., works,	lb.	.01½- —
super, bbls., c.l., works	lb.	.04 - —
tanks works	lb.	.01⅞- —
Squawvine, leaves, bls.	lb.	.01½- —
Squill, white, bls.	lb.	.14 - .15
powd., bbls., bxs.	lb.	.30 - .35
St. Ignatius beans, bgs.	lb.	.35 - .40
St. John's Bread, edible, bgs.,	lb.	.45 - .46
inedible, bls.	lb.	.12 - .13
Starch, corn, pearl, bgs., f.o.b. Chicago	100 lbs.	.09 - .10
dlvd., N. Y.	100 lbs.	2.90 - —
powd., bgs., f.o.b. Chicago,	100 lbs.	3.25 - —
dlvd., N. Y.	100 lbs.	3.00 - —
Potato, dom., bgs.	lb.	3.35 - —
import, bgs.	lb.	.06½- .07½
		No price

Soda, Glycero.—Strychnine

Starch, rice, bbls.	lb.	.07½- .08½
Sweetpotato, bgs.	lb.	.06¾- —
bbls.	lb.	.07 - —
Wheat, thick, boil, bgs.	lb.	.05 - —
Starch, iodide, bots.	lb.	1.87 - —
Staveacre, seed, bgs.	lb.	.32 - .33
Stearin, oleo, bbls.	lb.	.05¼ Nom.
Stillingia root, bls.	lb.	.07½- .08
Stoneroot, bls.	lb.	.07½- .08
Storax, cs.	lb.	.60 - .65
Stramonium leaves, bls.	lb.	.25 - .30
Seeds, bgs.	lb.	.30 - .35
Strontium bromide, fib. dms.	lb.	.54 - .55
kgs., 150 lbs.	lb.	.52 - —
Carbonate, N.F., IV, 250-lb. bbls.	lb.	No prices
tech., 99-100%, precip., bbls.,	lb.	No prices
Chloride, tech., bbls.	lb.	.20 - —
Iodide, bots., 5 lbs.	lb.	3.06 - —
jars, 25 lbs.	lb.	3.00 - —
Nitrate, dom., bbls., c.l., works,	lb.	.07¾- —
25 bbls. and over	lb.	.08¼- —
1-24 bbls. and over	lb.	.08¾- —
Strophanthus seed, Kombe, bgs.	lb.	3.75 - 4.00
Styalyl acetate, bots.	lb.	6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots	oz	.60 - —
Acetate, 25-oz. cns., 100-oz. lots	oz.	.79 - —
Arsenate, 25-oz. cns., 100-oz. lots	oz.	.82 - —
Arsenite, 25-oz. cns., 100-oz. lots	oz.	.79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots	oz.	.80 - —

Good Soil yields Good Crops

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CAUSTIC SODA
CARBONATE OF POTASH
CAUSTIC POTASH

Strychnine—Xylidin

Strychnine, hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulpnate, cryst., cns., 100 oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
flowers, bgs., c.l., works.100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works....100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., wks., 100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 1.98
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.35 - —
bbls., works.....100 lbs. 2.20 - —
l.c.l., bgs., works....100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.55 - 3.95
heavy, bgs., c.l.,works.100 lbs. 2.55 - —
bbls., works.....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works.....100 lbs. 3.25 - 3.65
light, bgs., c.l., works.100 lbs. 2.65 - —
bbls., works.....100 lbs. 3.00 - —
l.c.l., bgs., works....100 lbs. 3.00 - 3.40
bbls., works.....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works..100 lbs. 2.50 - 2.90
roll, bgs., c.l.....100 lbs. 2.35 - —
bbls., works.....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.75 - 3.10
bbls., works.....100 lbs. 2.85 - 3.25
rubber maker's, com'l, 99%, c.l., frt. alld..100 lbs. 2.00 - —
bbls., same basis, c.l., 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l.....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- 10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No price
leaf, f.a.s.....ton. No prices
Extract, 42°, bbls.....lb. .06 - .06¼
51°, bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .14 - .15
Sunflower seed, Calif., large, bgs., lb. .07 - .07½
medium, bgs.....lb. .06 - .06½
poultry, bgs.....lb. .05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .68 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 98-94%, 325 mesh, bgs., c.l., mills, ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -1800
96-98%, 325 mesh, c.l., mills..ton.15.00 -17.00
l.c.l. mills.....ton.17.00 -19.00
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake, type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l. ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival, ton. No prices
ex whse.....ton. No prices
2, bgs., ex dock, arrival.ton. No prices
Tallow, animal, edible.....lb. .04¾ Nom.
extra, loose.....lb. .03¾- —
special, loose.....lb. .03¼- —
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾- —
l.c.l. .....lb. .04¾- —
50% (43% fat), dms., c.l., lb. .05¼- —
l.c.l. .....lb. .06¼- —
50% (48% fat), dms., c.l..lb. .05¾- —
l.c.l. .....lb. .06¾- —
Tamarind, No. 1, bbls.....lb. .06 - .07
Kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y. unit-ton. 2.25 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.25 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 2.25 & .10
high-grade, bulk, Chicago, unit-ton. 2.75 & .10
Tankage, import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f., ports, Sept. shipt. 2.50 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .03 - .05
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd, E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. .65 - .70
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
powd., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
USP, powd., bbls.....lb. .40 Nom.
Terebene, cans.....lb. .75 - .85
Terpinyl acetate, cns.....lb. .82 - .85
Terpin hydrate, bgs..... ....lb. .60 - .65
Terpineol, CP, cns.....lb. .28 - —
dms .....lb. .25 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. tech. (see Perchloroethylene). .21½- —
Tetralin, dms.....lb. .18 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.90 - 3.00
Sodiosalicylate, cns.....lb. 2.15 Nom.
dms .....lb. 1.95 Nom.
5-lb. bots.....lb. 2.31 - 2.36
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works..lb. 2.00 - —
Thyme, French, bls.....lb. .31 - .31½
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns, 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo, root, powd., 4% rotenone, bbls..lb. .18 - .24
5% rotenone, bbls.....lb. .22 - .30
Thiamine hydrochloride, cns..... gram. 1.40 - 1.55
Tin chloride (ous), anhyd.....lb. .47 - .47½
Crystals, bbls., kgs.....lb. .38 - .38½
Metal, Straits.....lb. .50¾- —
Oxide, bbls.....lb. .55 - —
Tetrachloride, anhyd., bbls...lb. .24¾- —
Titanium, dioxide, bgs., c.l., (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd..lb. .13¼- —
Pac. Cst., ex whse....lb. .13½- —
1,000-9,999 lbs., E. frt. pd. lb. .13½- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd...lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
under 50 lbs., E. frt. pd.lb. .16 - —
Pac. Cst., ex whse....lb. .16 - —
bbls., c.l. (20 tons), frt. pd.lb. .13¼- —
l.c.l., 5 tons, E. frt. pd...lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
1,000-9,999 lbs., E. frt. pd., lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd...lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk resistant, bgs., c.l., (20 tons), frt. pd..lb. .15 - —
l.c.l., 5 tons, frt. pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd.lb. .15½- —
50-999 lbs., frt. pd....lb. .15¾- —
Under 50 lbs., frt. pd..lb. .18 - —
bbls., c.l., (20 tons), frt. pd. lb. .15¼- —
l.c.l., 5 tons, E. frt. pd.lb. .15½- —
Pac. Cst., ex whse..lb. .15½- —
1,000-9,999 lbs., E. frt. pd..lb. .15¾- —
Pac. Cst., ex whse....lb. .15¾- —
50-999 lbs., E. frt. pd.lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
high-hiding, bgs., c.l. (20 tons), frt. pd..lb. .14 - —
l.c.l., 5 tons, frt. pd....lb. .14½- —
1,000-9,999 lbs., frt. pd. lb. .14½- —
50-499 lb., frt. pd.....lb. .14¾- —
bbls., c.l (20 tons), frt. pd..lb. .14¼- —
l.c.l., 5 tons, E., frt. pd. lb. .14½- —
Pac. Cst., ex whse. lb. .14½- —
1,000-9,999 lbs., E. frt. pd..lb. .14¾- —
Pac. Cst., ex whse. lb. .14¾- —
50-999 lbs., E. frt. pd. lb. .15 - —
Pac. Cst., ex whse. lb. .15 - —
barium or magnesium base, bgs., c.l., D. frt. alld..lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. dlvd.lb. .05¾- —
bbls., c.l., D., frt. alld..lb. .05½- —
l.c.l., E., dlvd.....lb. .05¾- —
Pac. Cst., ex whse...lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06½- —
calcium base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., dlvd.....lb. .05¼- —
Pac. Cst., ex whse....lb. .05¼- —
under 50 lbs., E. dlvd.lb. .06 - —
bbls., c.l., D., frt. alld..lb. .05¼- —
l.c.l., E., dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
Tolidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. 1.66 - 1.70
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F. bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .68 - .70
tanks .....lb. .65 - —
Tributyl citrate, ton lots, 475 lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - —
l.c.l., same basis.....lb. .07½- —
tanks .....lb. .06½- —
Trichlorethylene, dms., c.l., works, frt. alld.. Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .61½
dms., c.l., dlvd.....lb. .34½- —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .86½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500 lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .86
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem., grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs...lb. .07½- .08
Madras, bgs .....lb. .07¾- .08¼
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .36½- —
l.c.l., 10 ex dock.....gal. .38½- —
5 ex dock.....gal. .40½- —
wood dest., dist., dms., c.l., dlvd. E. ports..gal. .26 - —
l.c.l. .....gal. .28 - —
tanks, dlvd. E. cities..gal. .21 - —
steam-dist., dms., c.l., dlvd.gal. .29 - —
l.c.l., dlvd.....gal. .32 - —
tanks, dlvd.....gal. .24 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs....lb. 2.65 - 3.05
yellow, kgs.....lb. 1.75 - 2.00
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N.C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.85.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.85.00 - —
less than 5 tons, f.o.b. Newark, New York, Philadelphia..ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.85.00 - —
Import, 40% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton. No price
40% N., bgs., smaller lots, f.o.b. N. Y. from whse. ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports ton.57.40 - —
bags, same basis.....ton.59.40 - —
45% N., tanks, f.o.b. Belle, W. Va., or Atl. Gulf ports. ton.121.58 ——
basis 37% N (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports.....ton.127.00 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .80 - .85
Valonia, beards, bgs., f.a.s...ton.56.00 - —
cups, bgs., f.a.s.....ton.42.00 -44.00
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins...lb. 7.25 - 7.75
Mexican, tins.....lb. 7.50 - 8.00
cuts, tins.....lb. 7.25 - 7.50
South American, tins.....lb. 7.25 - 7.50
oleoresin, bots.....lb.18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. .75 - .80
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works....lb. .25 - — dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.h.

W

Wahoo bark, bls.....lb. .45 - .46
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.37.50 -39.50
Extract, solid, bgs.....lb. .03¾- —
Wax, bayberry, import, bgs...lb. .22 - .28
Bees, white, bleach, slabs, ca., 1 to 5 case lots..lb. .35 - —
cakes, 1 to 5 cs. lots...lb. .36 - —
discs, 1 to 5 cs. lots lb. .37 - —
yellow, crude, Africa, 10-bg. lots..lb. .24½- .25
1 bg.....lb. .25 - .25½
Brazil, bgs, 5-ton lots..lb. .25½- .26
1 ton.....lb. .26 - .26½
500 lbs.....lb. .26½- .27
100 lbs.....lb. .27 - .27½
refd., slabs, cs., lbs.....lb. .29 - .31
Candelilla, bgs, 1 ton.....lb. .18½- .19
jobbing lots.....lb. .19 - .19½
Carnauba, No. 3 chalky, bgs., 1 ton..lb. .55 - .55½
5 bgs.....lb. .55½- .56
1 bg.....lb. .56 - .56½
N. C., 2 bgs, 1 ton.....lb. .59 - .60
N. C., 3 bgs, 1 ton.....lb. .56 - .56½
5 bgs.....lb. .56½- .57
1 bg.....lb. .57 - .57½
refined, bgs.....lb. .60 - .61
yellow, No. 1, bgs., 1 ton..lb. .70 - .71
5 bgs.....lb. .70½- .71½
1 bg.....lb. .71 - .72
No. 2, bgs.....lb. .69 - .70
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11½- .12
jobbing lots.....lb. .12½- .13
150°-160° m.p., bgs., 1 ton..lb. .13¼- .14
jobbing lots.....lb. .14½- .15
160° m.p., bgs., 1 ton.....lb. .13¼- .14
jobbings lots .....lb. .14½- .15
Japan, cs.....lb. .15½- .16
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .22 - .23
cakes, cs.....lb. .23 - .24
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.74 - —
Whiting, chalk, com'l, dry-grd., bip., bgs., c.l., works..ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap, bgs., c.l., works.....ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., bip., bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilder's bolted, bip., bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works...ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap, bgs., c.l., works.ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
paris white, bip., bgs., c.l. works..ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap, bags, c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l. ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 820 tons, works, ton.12.50 - —
4-8 tons, works...ton.13.50 - —
2-4 tons, works...ton.14.50 - —
extra bgs. (extra), c.l., works, ton.12.50 - —
8-20 tons, works.....ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works...ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N. Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, ogs., ex dock, ton. No prices
80 mesh, bgs., ex dock....ton. No prices
100 mesh, bgs., ex dock...ton. No prices
120 mesh, bgs., ex dock...ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. 5.00 - 6.00
Wormwood, bls.....lb. .23 - .25

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works.gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, dms., returnable, works.gal. .41 - —
tanks, E. of Omaha, frt. alld..gal. .39 - —
3°, dms., returnable, works.gal. .48 - —
tanks, E. of Omaha, frt. alld..gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.55
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .55 - —
bottles, same basis.....lb. .60 - .64
imp., bbl., same basis.....lb. .55 - —
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works.. frt. alld..lb. .50 - —
smaller lots ,same basis..lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP., bbls., dlvd., N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul contracts .....lb. .13½- —
open order.....lb. .14½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¾c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¾c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden A, bbls., works..lb. .03¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05¾- —
yellow A, bbls., works.....lb. .02¼- —
yellow A, bbls., works.....lb. .02¼- —
B, bbls., works.....lb. .02¼- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock, Balto., Boston, N. Orleans for import.lb. .02475 Nom.
New York (f.o.b.)..lb. .02¾ Nom.
Philadelphia for import..lb. .02¾ Nom.
ex dock San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto, Boston, N. Orleans..lb. .02725 Nom.
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis..lb. .03¾ Nom.
New York.....lb. .03 Nom.
Pittsburgh .....lb. .03¼ Nom.
Portland, Seattle....lb. .03¾ Nom.
San Pedro, S. Francisco..lb. .03¼ Nom.
f.o b. N. Y., from dock, lb. .02⅞ Nom.
from whse.....lb. .03⅛ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½- —
l.c.l. same basis.....lb. .06¾- —
Persian orange (See O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .18 - —
open order.....lb. .19 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthoriza), bls..lb. .11 - .12
Yerba santa leaves, bls.....lb. .09 - .10
Yohimbine hydrochloride, via..oz. 2.85 - 4.00

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs.. works..lb. .25 - —
Zinc acetate, tech., bbls., dlvd., lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bags.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls...lb. .32½- —
25 lb. dms.....lb. .37½- —
kgs. .....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
USP, 200-lb. dms.....lb. .26 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l., works..lb. .0290- —
l.c.l., works.....lb. .04 - .04½
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c.l., dlvd.....lb. .08½- —
l.c.l., bbls., dlvd.....lb. .09 - —
Iodide, N.F., bcts.....lb. 4.35 - —
jars .....lb. 4.20 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report).
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd..lb. .06¼- .07⅛
l.c.l., dlvd., except Pac. cst..lb. .06½. .07⅝
bgs., l.c.l., ex whse., Pac. cst..lb. .06½- .07⅝
bbls., c.l., dlvd....lb. .06½- .07⅝
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst.lb. .06¾- .08
5%, bgs., c.l., dlvd.....lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06⅝- —
bbls., c.l., dlvd....lb. .06⅝- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06⅝- —
35%, c.l., dlvd..lb. .06 - —
bbls., l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst. lb. .06¼- —
Zinc, oxide, 35%, bbls., c.l., dlvd. lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
bgs., l.c.l., ex whse., Pac. cst..lb. .06½- —
50%, bgs., c.l., dlvd., except Pac. Coast..lb. .0606- —
dlvd., Pac. cst..lb. .0612- —
l.c.l., dlvd., except Pac. cst..lb. .0631- —
bgs., ex whse., Pac. cst..lb. .0637- —
bbls., c.l., dlvd...lb. .0637- —
l.c.l., ex whse., Pac. Cst. lb. .0662- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07⅝
ex whse., Pac. cst..lb. .06½- .07⅝
bbls., c.l., dlvd.....lb. .06½- .07⅝
l.c.l., dlvd., except Pac. cst..lb. .06⅝- .08
ex whse., Pac. cst., lb. .06¾- .08
green seal, bgs., c.l., dlvd., l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst.lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst.lb. .08½- —
red seal, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07¾- —
ex whse., Pac. cst.lb. .07¾- —
bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst.lb. .08 - —
Zinc, oxide, French, white seal, bgs., c.l., dlvd..lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst.lb. .08¾- —
bbls., c.l., dlvd.....lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst.lb. .09 - —
imported, gold seal, cks., ex whse..lb. .13 - .14
green seal, bbls., ex whse., lb. .10 - —
white seal, cks., ex whse., lb. .11 - .12⅛
USP, bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .22 - —
l.c.l., 1 ton.....lb. .23 - —
1,000-2,000 lbs.....lb. .24 - —
less than 1,000 lbs...lb. .25 - —
USP, bbls.....lb. .23 - .26
Sulphate, cryst., bgs., c.l..... 100 lbs. 2.90 - —
l.c.l. .....100 lbs. 3.65 - —
bbls., c.l.....100 lbs. 3.05 - —
l.c.l. .....100 lbs. 3.80 - —
flake, bgs., c.l.....100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.00 - —
bbls., c.l.....100 lbs. 3.40 - —
l.c.l. .....100 lbs. 4.15 - —
powd., bgs., c.l.....100 lbs. 4.55 - —
l.c.l. .....100 lbs. 5.30 - —
bbls., c.l.....100 lbs. 4.70 - —
l.c.l. .....100 lbs. 5.45 - —

Yara—Zirconium Oxide

Zinc, sulphide, bgs., c.l. (20 tons), dlvd..lb. .07½- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd....lb. .07¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08 - —
barium, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .05¼- —
calcium pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .05¼- —
magnesium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .05½- —
Sulphocarbolate, NF, bbls...lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l. works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd., except Pac. cst..lb. .05½- —
ex whse., Pac. cst..lb. .05½- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.75.00 -100.00
white, 96%, grd., kgs., works, lb. 1.80 - 2.00

Durable as
NO. 1323
BECKOSOL
(EXTRA LIGHT)
Type . . . . . Pure Alkyd
Color 1L-2
Acid No. 3-6
Viscosity . . . . . L-M
No. 1323 Beckosol Extra Light has a particularly strong resistance to alcohol, water, SO_2, and surface abrasion.
This outstanding synthetic resin is designed expressly for the formulation of high grade nitrocellulose coatings, especially whites and very light tints. It provides good gloss and long lustre life, together with lasting adhesion, good weather-proofness and a minimum of after-yellowing.
Paint manufacturers incorporating No. 1323 in their formulations find it meets the high standards of quality they have come to expect in RCI's complete line of synthetic resins. Inquiries are invited.
RCI
WORLD-WIDE DISTRIBUTION
REICHHOLD CHEMICALS
INCORPORATED • DETROIT, MICHIGAN

Abalyn—Neville

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn (methyl abietate), dms., lots of 10, works..lb. .10 - —
single dms., works.....lb. .12 - —
5-gal. cans, works.....lb. .17 - —
Aroclors, distilled, dms., c.l., works..lb. .28 - —
ton lots, works.....lb. .25 - —
single dms.. works.....lb. .27 - —
undistilled, dms., c.l., works, lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

B

Bakelite, alkyd resins, BR, 10025, bbls., 30,000 lbs., works, lb. .32 - —
15,000 lbs., works.....lb. .33 - —
5,000 lbs., works.....lb. .34 - —
XR, 10024, bbls., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
dispersion resin, BK, 3962 dms., 30,000 lbs., works..lb. .2490- —
15,000 lbs., works.....lb. .2540- —
5,000 lbs., works.....lb. .2590- —
XK, 6791, dms., 30,000 lbs., works..lb. .2540- —
15,000 lbs., works.....lb. .2590- —
5,000 lbs., works.....lb. .2640- —
11545, dms., 30,000 lbs. works. lb. .3050- —
15,000 lbs., works.....lb. .3150- —
5,000 lbs., works.....lb. .3250- —
12788, dms., 30,000 lbs., works, lbs. .3860- —
15,000 lbs., works.....lb. .3960- —
5,000 lbs., works.....lb. .4060- —
lacquer, BR, 2342, dms., 30,000 lbs., works..lb. .27 - —
15,000 lbs., works.....lb. .28 - —
5,000 lbs., works.....lb. .29 - —
XJ, 10433, dms., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .38 - —
5,000 lbs., works.....lb. .39 - —
XR, 3180, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
4357, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
9866, dms., 30,000 lbs., works..lb. .18½- —
15,000 lbs., works.....lb. .19 - —
5,000 lbs., works.....lb. .19½- —
phenolic, 100%, BR, 254, bbls., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
1329, bbls., 30,000 lbs., works..lb. .25 - —
15,000 lbs., works.....lb. .26 - —
5,000 lbs., works.....lb. .27 - —
2987, bbls., 30,000 lbs., works..lb. .26 - —
15,000 lbs., works.....lb. .27 - —
5,000 lbs., works.....lb. .28 - —
3360, bbls., 30,000 lbs., works..lb. .36 - —
15,000 lbs., works.....lb. .37 - —
5,000 lbs., works.....lb. .38 - —
4036, bbls., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .38 - —
5,000 lbs., works.....lb. .39 - —
6882, bbls., 30,000 lbs., works..lb. .42 - —
15,000 lbs., works.....lb. .43 - —
5,000 lbs., works.....lb. .44 - —
8900, bbls., 30,000 lbs., works..lb. .41 - —
15,000 lbs., works.....lb. .42 - —
5,000 lbs., works.....lb. .43 - —
9432, bbls., 30,000 lbs., works..lb. .29 - —
15,000 lbs., works.....lb. .30 - —
5,000 lbs., works.....lb. .31 - —
9476, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works.....lb. .24½- —
5,000 lbs., works.....lb. .25 - —
12784, bbls., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .31 - —
5,000 lbs., works.....lb. .32 - —
13468, bbls., 30,000 lbs., works..lb. .19¾- —
15,000 lbs., works.....lb. .20¼- —
5,000 lbs., works.....lb. .20¾- —
XR, 1330, bbls., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .31 - —
5,000 lbs., works.....lb. .32 - —
9517, bbls., 30,000 lbs., works..lb. .29 - —
15,000 lbs., works.....lb. .30 - —
5,000 lbs., works.....lb. .31 - —
10282, bbls., 30,000 lbs., works..lb. .34 - —
15,000 lbs., works.....lb. .35 - —
5,000 lbs., works.....lb. .36 - —
modified, BR, 302, bbls., 30,000 lbs., works..lb. .2870- —
15,000 lbs., works.....lb. .2970- —
5,000 lbs., works.....lb. .3070- —
2072, bbls., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works.....lb. .23½- —
5,000 lbs., works.....lb. .24 - —
2175, bbls., 30,000 lbs., works..lb. .2810- —
15,000 lbs., works.....lb. .2910- —
5,000 lbs., works.....lb. .3010- —
2963, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works.....lb. .24½- —
5,000 lbs., works.....lb. .25 - —
11504, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —
11544, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —
solutions, XJ, 180, dms., 30,000 lbs., works..lb. .1970- —
15,000 lbs., works.....lb. .2020- —
5,000 lbs., works.....lb. .2070- —
2681, dms., 30,000 lbs., works..lb. .2520- —
15,000 lbs., works.....lb. .2570- —
5,000 lbs., works.....lb. .2620- —
Bakelite, phenolic, solutions, 2681, 6,000 dms., 30,000 lbs., works..lb. .2970- —
15,000 lbs., works.....lb. .3070- —
5,000 lbs., works.....lb. .3170- —
13218, dms., 30,000 lbs., works..lb. .2670- —
15,000 lbs., works.....lb. .2720- —
5,000 lbs., works.....lb. .2770- —
13895, dms., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works.....lb. .2350- —
5,000 lbs., works.....lb. .24 - —
Beckacite, modified phenolic, 1100, dms., 1-9, frt. pd..lb. .14½- —
1101, dms., 1-9, frt. pd.....lb. .13 - —
1102, dms., 1-9, frt. pd.....lb. .12½- —
1106, dms., 1-9, frt. pd.....lb. .14 - —
1107, dms., 1-9, frt. pd.....lb. .13 - —
1108, dms., 1-9, frt. pd.....lb. .11 - —
1112, dms., 1-9, frt. pd.....lb. .14½- —
1113, dms., 1-9, frt. pd.....lb. .12 - —
1116, dms., 1-9, frt. pd.....lb. .14½- —
P-146, dms., 1-9, frt. pd.....lb. .11½- —
P-147, dms., 1-9, frt. pd.....lb. .12 - —
1121, dms., 1-9, frt. pd.....lb. .17½- —
1122, dms., 1-9, frt. pd.....lb. .14½- —
1123, dms., 1-9, frt. pd.....lb. .14½- —
1124, dms., 1-9, frt. pd.....lb. .15½- —
nonphenolic, 1110, dms., 1-9, frt. pd..lb. .12¾- —
1111, dms., 1-9, frt. pd.....lb. .13 - —
1114, dms., 1-9, frt. pd.....lb. .12½- —
1120, dms., 1-9, frt. pd.....lb. .13 - —

Beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less. These prices apply in N. E. and Mid-Atl. States, Ill., Ind., Ky., Mich., Minn., N. C., Ohio, Va., W. Va., Wis., and St. Louis, Mo.; add ¾c. per lb. on less than carloads and ½c. per lb. on carloads to Ark., Iowa, Kan., Mo. (except St. Louis), Neb., N. D., Okla., S. D., all South. States, and Dallas and Houston, Tex.; for Calif. add ¾c. per lb. on less than carloads and ½c. per lb. on carloads of regular items covered by contract, on items not shown in this list and items not covered by contract which must be shipped direct from Detroit, Mich., or Elizabeth, N. J., add 2c. per lb. on less than carloads and 1c. per lb. on carloads; carload prices listed above apply on shipments by water from Elizabeth, N. J., ex dock at Los Angeles, San Francisco, or Seattle; add 2c. per lb. on less than carloads and 1c. per lb. on carloads to Tex. (except Dallas and Houston) and all other points in the U. S. not mentioned in the foregoing.

Beckamine, 3440, ex. lt., dms., 1-9, frt. pd..lb. .22½- —
P-2, dms., 1-9, frt. pd.....lb. .12 - —
P-138, dms., 1-9, frt. pd.....lb. .21½- —
P-196, dms., 1-9, frt. pd.....lb. .24 - —
P-198, dms., 1-9, frt. pd.....lb. .36 - —

Beckamine prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckolin, No. 17, dark, dms., 1-9, frt. pd..lb. .16½- —
No. 27, light, dms., 1-9. frt. pd., lb. .18½- —

Beckolin prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckopol, 1400, dms., 1-9, frt. pd..lb. .17½- —

Beckopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckosol, emulsion, 1500, dms, 1-9, frt. pd..lb. .11½- —
1501, dms., 1-9, frt. pd.....lb. .12½- —
Solid, 1, dms., 1-9, frt. pd...lb. .27 - —
3, dms., 1-9, frt. pd.....lb. .23 - —
7, dms., 1-9, frt. pd.....lb. .23 - —
13, dms., 1-9, frt. pd.....lb. .23 - —
18, dms., 1-9, frt. pd.....lb. .23 - —
19, dms., 1-9, frt. pd.....lb. .28 - —
24, dms., 1-9, frt. pd.....lb. .31 - —
31, dms., 1-9, frt. pd.....lb. .23 - —
32, dms., 1-9, frt. pd.....lb. .22 - —
40, dms., 1-9. frt. pl.....lb. .19 - —
Solution, nonphenolic, 1309, dms., 1-9, frt. pd..lb. .18½- —
1319, dms., 1-9, frt. pd..lb. .19½- —
1321, dms., 1-9, frt. pd..lb. .17½- —
1940, dms., 1-9, frt. pd..lb. .09½- —
1941, dms., 1-9, frt. pd..lb. .09½- —
phenol modified, 1303, dms., 1-9, frt. pd..lb. .13½- —
1304, dms., 1-9, frt. pd..lb. .13½- —
1320, dms., 1-9, frt. pd..lb. .14 - —
1325, dms., 1-9, frt. pd..lb. .13 - —
1328, dms., 1-9, frt. pd..lb. .12 - —
1329, dms., 1-9, frt. pd..lb. .12 - —
phenol modified and oil extended, 1, dms., 1-9, frt. pd..lb. .14½- —
2, dms., 1-9, frt. pd.....lb. .14 - —
1316, dms., 1-9, frt. pd..lb. .15½- —
1326. dms., 1-9, frt. pd..lb. .15 - —
phenol, pure, alkyd, 1306, dms., 1-9, frt. pd..lb. .12½- —
1307, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.lb. .13½- —
1308, dms., 1-9, frt. pd....lb. .14½- —
1313, ex. lt., dms., 1-9, frt. pd..lb. .18½- —
light, dms., 1-9, frt. pd.lb. .12½- —
1318, dms., 1-9, frt. pd..lb. .17½- —
1323, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd..lb. .13½- —
1324, dms., 1-9, frt. pd..lb. .25½- —
1331, dms., 1-9, frt. pd..lb. .12½- —
1332, dms., 1-9, frt. pd..lb. .12 - —
1333, dms., 1-9, frt. pd..lb. .15½- —
1334, dms., 1-9, frt. pd..lb. .13½- —
P-7, dms., 1-9, frt. pd..lb. .14½- —
P-48, dms., 1-9 frt. pd..lb. .12½- —
P-94, dms., 1-9, frt. pd...lb. .16½- —
P-236, dms., 1-9 frt. pd..lb. .13 - —

Beckosol, solid, prices in lots of 10 dms. or more are ¾c. per lb. less than above; in carloads, 1½c. per lb. less; prices of other Beckosols are ½c. per lb. less in lots of 10 dms. or more, 1c. per lb. less in carloads; all are subject to the same geographical differentials as Beckacite.

C

Cumar, AX, dms., works.....lb. .06 - —
BX, dms., works.....lb. .06 - —
CX, dms., gross weight, works, lb. .05 - —
DX, dms., gross weight, works, lb. .04½- —
EX, dms., gross weight, works, lb. .04½- —
FX, dms., gross weight, works, lb. .05 - —
MH, col. 1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works lb. .09 - —
9, dms., works.....lb. .06½- —
MS, dms., works.....lb. .10 - —
Cumar, P, 10°-90° C., col. 2½ and darker, dms., works..lb. .10½- —
RH, dms., works.....lb. .10 - —
RS, dms., works.....lb. .16 - —
special soft, dms., works...lb. .10 - —
V, col. ½, dms., works.....lb. .12 - —
1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works. lb. .09 - —
W. col., ½, dms., works..lb. .13 - —
1, dms., works.....lb. .12 - —
1½-2, dms., works.....lb. .11 - —
2½ and darker, dms., works. lb. .10 - —

Cumar prices includes frt. equald., with Pittsburgh; prices on contracts are ¼c. per pound lower.

D

Durite, 1,301 pale, one drum and over..lb. .25 - —
smaller lots.....lb. .26 - —
1,321, c.l.....lb. .40 - —
2,000 lbs. to c.l.....lb. .41 - —
smaller lots.....lb. .42 - —

All Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, solid, Grade A, c.l., dlvd. lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
B, c.l., dlvd.....lb. .21½- —
10 dms. or more, dlvd....lb. .22¼- —
9 dms. or less, dlvd....lb. .23 - —
D, c.l., dlvd.....lb. .21½- —
10 dms. or more, dlvd....lb. .22¼- —
9 dms. or less, dlvd....lb. .23 - —
H-1, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
PV, c.l., dlvd.....lb. .21½- —
10 dms. or more, dlvd....lb. .22¼- —
9 dms. or less, dlvd....lb. .23 - —
1-L, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
575, c.l., dlvd.....lb. .23 - —
10 dms. or more, dlvd....lb. .23¾- —
9 dms. or less, dlvd....lb. .24½- —
701, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
750, c.l., dlvd.....lb. .21 - —
10 dms. or more, dlvd....lb. .21¾- —
9 dms. or less, dlvd....lb. .22½- —
809, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
830, c.l., dlvd.....lb. .22½- —
10 dms. or more, dlvd....lb. .23¼- —
9 dms. or less, dlvd....lb. .24 - —
Solution, Grade A, c.l., dlvd..lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
B, c.l., dlvd.....lb. .11¾- —
10 dms. or more, dlvd....lb. .12¼- —
9 dms. or less, dlvd....lb. .12¾- —
D, c.l., dlvd.....lb. .11¾- —
10 dms. or more, dlvd....lb. .12¼- —
9 dms. or less, dlvd....lb. .12¾- —
E, c.l., dlvd.....lb. .14 - —
10 dms. or more, dlvd....lb. .14½- —
9 dms. or less, dlvd....lb. .15 - —
H-1, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
PV, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
1-L, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
562, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
575, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
640-N, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd....lb. .13 - —
660-N, c.l., dlvd.....lb. .10½- —
10 dms. or more, dlvd....lb. .11 - —
9 dms. or less, dlvd....lb. .11½- —
701, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd....lb. .13 - —
747, c.l., dlvd.....lb. .11¼- —
10 dms. or more, dlvd....lb. .11¾- —
9 dms. or less, dlvd....lb. .12¼- —
750, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
809, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd....lb. .13 - —
830, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
1800, c.l., dlvd.....lb. .12¾- —
10 dms. or more, dlvd....lb. .12¾- —
9 dms. or less, dlvd....lb. .13¼- —
1825, c.l., dlvd.....lb. .14 - —
2185, c.l., dlvd.....lb. .10¼- —
10 dms. or more, dlvd....lb. .11 - —
9 dms. or less, dlvd....lb. .11½- —
2195, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
2633, c.l., dlvd.....lb. .11½- —
10 dms. or more, dlvd....lb. .12 - —
9 dms. or less, dlvd....lb. .12½- —
2600, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —

Esterol resin prices listed above prevail only for delivery to Me., N. H., Vt., Mass., R. I., Conn., Ill., N. Y., N. J., Pa., Del., Md., Va., W. Va., N. C., Ky., Ohio, Mich., Ind. St. Louis, Mo., Wis., and Montreal and Toronto, Can. Add ¼c. per lb. to quoted prices for delivery to Ala., Ark., Fla., Ga., Iowa, Kan., La., Minn., Mo. (except St. Louis), Miss., Neb., N. D., Okla., S. C., S. D., Tenn. and Dallas and Houston, Tex. Add ¾c. per pound for delivery to Ariz., Colo., Idaho, Mont., Nev., N. M., Tex. (except Dallas and Houston), Utah, Wyo., and other points in the United States and Canada not listed above.

G

G, resin, dms., gross weight, works..lb. .07½- —

G resin prices on contracts terminating Dec., 1940, are ¼c. per pound lower; Los Angeles and San Francisco ex warehouse, 3c. per pound extra.

2633, c.l., dlvd.....lb. .11½- —
Guai-a-phene, 10-gal. cns., works, gal. 2.57 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.82 - —
dms., works.....gal. 2.50 - —

H

Hercolyn (hydrogenated methyl abietate), dms., lots of 10, works..lb. .15 - —
single dms., works.....lb. .17 - —
cns, works.....lb. .22 - —
Hydrogum, P-190, c.l., dms., frt. pd..lb. .14 - —
l.c.l., 10 dms., frt. pd.....lb. .14½- —
1-9 dms., frt. pd.....lb. .15 - —

Hydrogum prices are subject to the same geographical differentials as Beckacite.

J

Jozite (see zinc-iron oxide pigment in regular price list above).

K

Kadox (zinc oxide), black or red label, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd. E. of Rockies.lb. .06¾- —
Pac. coast, ex whse.....lb. .06¾- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd. E. of Rockies.lb. .07 - —
Pac. coast, ex whse.....lb. .07 - —
No. 22, bgs., c.l., dlvd.....lb. .07½- —
l.c.l., dlvd. E. of Rockies, lb. .07¾- —
Pac. coast, ex whse....lb. .07¾- —
bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd. E. of Rockies, lb. .08 - —
Pac. coast, ex whse....lb. .08 - —
Katalised oil, 666, dms., c.l., frt. pd..lb. .23½- —
l.c.l., frt. pd.....lb. .23 - —

Katalised oil prices are subject to the same geographical differentials as Beckacite.

Kopol, 500, dms., 1-9, frt. pd..lb. .18¼- —
501, dms., 1-9, frt. pd.....lb. .16½- —
502, dms., 1-9, frt. pd.....lb. .15 - —

Kopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

R-C copal, cracked nut, dms., c.l., frt. pd..lb. .12 - —
l.c.l., frt. pd.....lb. .12½- —

R-C copal prices are subject to the same geographical differentials as Beckacite.

L

Lewisol resin, modified alkyd, No. 1, c.l., dlvd..lb. .11¼- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11¾- —
smaller quantities, dlvd.lb. .12¼- —
No. 2, c.l., dlvd.....lb. .12 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12½- —
smaller quantities, dlvd.lb. .13 - —
No. 2L, c.l., dlvd.....lb. .12¼- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12¾- —
smaller quantities, dlvd.lb. .13¼- —
No. 3, c.l., dlvd.....lb. .16½- —
l.c.l., 10 dms., dlvd.....lb. .17½- —
1-9 dms., dlvd.....lb. .18½- —
No. 18, c.l., dlvd.....lb. .11 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11½- —
smaller quantities, dlvd.lb. .12 - —
No. 24, c.l., dlvd.....lb. .12 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12½- —
smaller quantities, dlvd.lb. .13 - —
No. 26, c.l., dlvd.....lb. .12 - —
l.c.l., 8 dms., dlvd.....lb. .12½- —
1-7 dms., dlvd.....lb. .13 - —
No. 33, c.l., dlvd.....lb. .12 - —
l.c.l., 8 dms., dlvd.....lb. .12½- —
1-7 dms., dlvd.....lb. .13 - —
Modified phenolics, No. 101, c.l., dlvd..lb. .17½- —
l.c.l., 8 dms., dlvd.....lb. .18 - —
1-7 dms., dlvd.....lb. .18½- —
No. 115, c.l., dlvd.....lb. .10½- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11 - —
smaller quantities, dlvd.lb. .11½- —
No. 120, c.l., dlvd.....lb. .12 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12½- —
smaller quantities, dlvd.lb. .13 - —
No. 125, c.l., dlvd.....lb. .11 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11½- —
smaller quantities, dlvd.lb. .12 - —
No. 150, c.l., dlvd.....lb. .13½- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .14 - —
smaller quantities, dlvd.lb. .14½- —
No. 300, c.l., dlvd.....lb. .30 - —
l.c.l., 8 dms., dlvd.....lb. .30½- —
1-7 dms., dlvd.....lb. .31 - —
No. 305, c.l., dlvd.....lb. .11 - —
l.c.l., 8 dms., dlvd.....lb. .11½- —
1-7 dms., dlvd.....lb. .12 - —
No. 310, c.l., dlvd.....lb. .13½- —
l.c.l., 8 dms., dlvd.....lb. .14 - —
1-7 dms., dlvd.....lb. .14½- —
No. 850, c.l., dlvd.....lb. .13 - —
l.c.l., 8 dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —

N

Neo-Fat drying oil, 17 T.G., dms., dlvd..lb. .09¼- —
19 T.G., dms., dlvd.....lb. .11½- —
19 T.G. bodied, dms., c.l., dlvd..lb. .12¾- —
fatty acids, 3R, dms., c.l., dlvd. lb. .07 - —
17, dms., c.l., dlvd.....lb. .07¼- —
19, dms., c.l., dlvd.....lb. .09½- —

Neo-fat prices are ¼c. per lb. higher in Texas, ¾c. higher on Pacific Coast.

Nevillac, pale, hard, dms., works, lb. .16 - —
hard, 85-95° C, dms., works..lb. .15 - —
soft, 65-75° C, dms., works..lb. .15 - —

Nevillac prices on contracts terminating Dec., 1940, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13 - —
R-3, nevindene, col. 1, dms., works..lb. .12 - —
R-5, nevindene, col. 1½-2, dms., works..lb. .11 - —
R-6, nevindene, col. 2½-3½, dms., works..lb. .10 - —
R-7, N.P.S., col. below 3, dms., works..lb. .12 - —
R-8, N.P.S., col. below 3, dms., works..lb. .12½- —
R-9, hard, col. ½, dms., works..lb. .12 - —
R-10, hard, col. 1, dms., works..lb. .11 - —
R-11, hard, col. 1½-2, dms., works..lb. .10 - —
R-12, hard, col. 2½-3½, dms., works..lb. .09 - —
R-13, medium, col. ½, dms., works..lb. .12 - —
R-14, medium, col. 1, dms., works..lb. .11 - —
R-15, medium, col. 1½-2 dms., works..lb. .10 - —
R-16, medium, col. 2½-4, dms., works..lb. .09 - —
R-16-A, medium, col. 7-10, dms., works..lb. .06½- —
R-17, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-19, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-21, soft, col. 3½-8, dms., works..lb. .10 - —
R-22, special, soft, col. 3½-8, dms., works..lb. .10 - —
R-27, medium soft, col. 1, dms., works..lb. .12½- —

Neville resin, R-28, medium soft, col. 1½-2, dms., works..lb. .11½- —
R-29, medium soft, col. 2½-3, dms., works..lb. .10½- —
465, 110-125° C., dms., gross weight, f.o.b. Pittsburgh..lb. .03
Modified polystyrene, LX-228, 90-110° C., col. 3-3½, dms.lb. .45 - —
LX-229, 125-140° C., col. 3-4, dms..lb. .35 - —
LX-230, 125-140° C., col. 2-3, dms..lb. 1.10 - —
LX-231, 145-160° C., col. 2-3, dms..lb. .90 - —

Neville resin prices, except 465 resin, are freight equalized with Phila.; prices on contracts terminating Dec., 1940, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra. Modified polystyrene resins are 5c. per lb. additional for less than full drum shipments and are f.o.b. Neville Island, Pa.

Nevillite, "V," water-white, 100-lb. dms., works..lb. 1.25 - —
No. 1, water-white, 100-lb. dms., works..lb. .65 - —
No. 2, prime-white, 100-lb. dms., works..lb. .55 - —
No. 3, very light straw, 100-lb. dms., works..lb. .50 - —
No. 4, very light straw, 100-lb. dms., works..lb. .42 - —
oil, dms., works.....lb. 1.40 - —
Nevinol, dms., works.....lb. .13 - —
oil, heavy, rfd., dms., works, lb. .10 - —
Nuba, 1, 80-95°C., dms., gross weight, works..lb. .0265- —
2, 100-125°C., dms., gross weight, works..lb. .0265- —
3x, 135-150°C., dms., gross weight, works..lb. .04 - —

Nuba resin prices on contracts terminating December, 1940, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Nuodex drier, cobalt, 6%, 400-lb. pkgs..lb. .28½- —
11½%, 100-lb. pkgs.....lb. .52 - —
cobalt acetate, 100-lb. pkgs., lb. .80½- —
iron, 6%, 400-lb. pkgs.....lb. .13½- —
11%, 100-lb. pkgs.....lb. .23 - —
lead, 24%, 450-lb. pkgs....lb. .12½- .13½
32%, 450-lb. pkgs.....lb. .16 - —
34%, 100-lb. pkgs.....lb. .16¾- —
40%, 100-lb. pkgs.....lb. .19¾- —
lead 30%, cobalt 3%, 150-lb. pkgs..lb. .28¼- —
lead 30%, manganese 3%, 150-lb. pkgs..lb. .21 - —
manganese, 6%, 400-lb. pkgs., lb. .13 - .14
10½%, 100-lb. pkgs.....lb. .21¾- —
zinc, 8%, 400-lb. pkgs.....lb. .14 - —
10%, 400-lb. pkgs.....lb. .17 - —
14%, 100-lb. pkgs.....lb. .23¼- —
Nuodite, cobalt, 18%, 100-lb. pkgs..lb. .71½- —
lead, 64%, 100-lb, pkgs.....lb. .23 - —
manganese, 24%, 100-lb. pkgs, lb. .80 - —

All prices are f.o.b. customers' plants, East of Denver.

P

Paradene, No. 1, 75-99°C., dms., gross wt., works..lb. .04½- —
2, 100-124°C., dms., gross wt., works..lb. .04½- —

Paradene prices on contract, terminating Dec., 1940, are ¼c. lower; prices are freight equalized with Philadelphia, Pa.

Paradura resin, grade AV, c.l., dlvd..lb. .25½- —
10 pkgs. or more, dlvd.....lb. .26½- —
9 pkgs. or less, dlvd.....lb. .27½- —
C, c.l., dlvd.....lb. .29½- —
10 pkgs. or more, dlvd.....lb. .30½- —
9 pkgs. or less, dlvd.....lb. .31½- —
10-P, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
46, c.l., dlvd.....lb. .21½- —
10 pkgs. or more, dlvd.....lb. .22½- —
9 pkgs. or less, dlvd.....lb. .23½- —
273, c.l., dlvd.....lb. .23 - —
10 pkgs. or more, dlvd.....lb. .24 - —
9 pkgs. or less, dlvd.....lb. .25 - —
367, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
540, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd...lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
Paranol resin, extra hard, No. 1, c.l., dlvd..lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs or less, dlvd.....lb. .15½- —
Extra hard, No. 2, c.l., dlvd.lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
Extra hard, No. 3, c.l., dlvd.lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
Hard, No. 1, c.l., dlvd.....lb. .12½- —
10 pkgs. or more, dlvd.....lb. .13 - —
9 pkgs. or less, dlvd.....lb. .13½- —
Hard, No. 2, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
Hard, No. 3, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
100, c.l., dlvd.....lb. .15½- —
10 pkgs or more, dlvd.....lb. .16 - —
9 pkgs. or less, dlvd.....lb. .16½- —
105, extra light, c.l., dlvd...lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
105, dark, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
105-B, extra light, c.l., dlvd.lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
200, c.l., dlvd.....lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
500, hard, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
600, extra hard, c.l., dlvd...lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
800, extra light, c.l., dlvd....lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —
Paranol resin, 800, dark, c.l., dlvd..lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
850, c.l., dlvd.....lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —
900, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
1674, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
1600, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
1700, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —

Neville—Vinylite

Paranol resin, 1939, c.l., dlvd..lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
1640, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
1650, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
LB, No. 1, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
LB, No. 5, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
LB, No. 80, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
LN, 100, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —

Paradura and paranol resin prices listed above prevail only for delivery to Me., N. H., Vt., Mass., R. I., Conn., Ill., N. Y., N. J., Pa., Del., Md., Va., W. Va., N. C., Ky., Ohio, Mich., Ind., St. Louis, Mo.; Wis., and Montreal and Toronto, Can. Add ¼c. per lb. to quoted prices for delivery to Ala., Ark., Fla., Ga., Iowa, Kan., La., Minn., Mo. (except St. Louis); Miss., Neb., N. D., Okla., S. C., S. D., Tenn. and Dallas and Houston, Tex. Add ¾c. per pound for delivery to Ariz., Colo., Idaho, Mont., Nev., N. M., Tex. (except Dallas and Houston), Utah, Wyo., and other points in the United States and Canada not listed above.

Phenester, color 3½-5, dms., works..lb. .17 - —
P.H.O., dms., works.....lb. .19 - —
Pliolite, powder, ton lots, works, lb. .66 - —
smaller lots, works.....lb. .69 - .74
P1235, ton lots, works.....lb. .67 - —
smaller lots, works.....lb. .70 - .74
P1269, ton lots, works.....lb. .67 - —
smaller lots, works.....lb. .70 - .74
Resin, clear, ton lots, works..lb. .75 - —
smaller lots, works.....lb. .79 - .84
No. 20, ton lots, works.....lb. .75 - —
smaller lots, works.....lb. .79 - .84
No. 40, ton lots, works.....lb. .75 - —
smaller lots, works.....lb. .79 - .84

R

Resinous oil, No. XI, dms., works..lb. .019- —

S

Super-beckacite, pure phenolic, 1001, dms., 1-9, frt. pd..lb. .31 - —
1003, dms., 1-9, frt. pd....lb. .30 - —
2000, dms., 1-9, frt. pd....lb. .26 - —
2667, dms., 1-9, frt. pd....lb. .21 - —
3000, dms., 1-9, frt. pd....lb. .48 - —
3005, dms., 1-9, frt. pd....lb. .45 - —

Super-beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less, with exception of 3000 and 3005 where 10 dms. are 1½c. less and carloads 3c.; prices subject same geographical differentials as beckacite.

Super-beckamine, 3500, dms., 1-9, frt. pd..lb. .29½- —
Surfex, bgs., c.l., frt. alld. up to 25c. per 100 lbs..ton.35.00 - —
BB, bgs., c.l., frt. alld. up to 25c. per 100 lbs..ton.40.00 - —
MM, bgs., c.l., frt. alld., up to 25c. per 100 lbs..ton.38.00 - —
Syntex resin, 13, 1-9 dms..100 lbs.14.50 - —
14, 1-9 dms.....100 lbs.15.00 - —
17, 1-9 dms.....100 lbs.13.25 - —
18, 1-9 dms.....100 lbs.14.75 - —
19-A, 1-9 dms.....100 lbs.15.25 - —
20-A, 1-9 dms.....100 lbs.15.25 - —
21-B, 1-9 dms.....100 lbs.13.25 - —
22, 1-9 dms.....100 lbs.15.00 - —
23, 1-9 dms.....100 lbs.13.25 - —
28, 1-9 dms.....100 lbs.17.00 - —
29, 1-9 dms.....100 lbs.12.50 - —
32, 50%, 1-9 dms.....100 lbs.12.50 - —
34, 1-9 dms.....100 lbs.15.75 - —
40, 1-9 dms.....100 lbs.15.00 - —
119, 1-9 dms.....100 lbs.19.00 - —
219, 1-9 dms.....100 lbs.14.50 - —
H-3, 1-9 dms.....100 lbs.13.00 - —
H-5, 1-9 dms.....100 lbs.14.50 - —
H-10, 1-9 dms.....100 lbs.15.25 - —
H-12, 1-9 dms.....100 lbs.16.00 - —
H-15, 1-9 dms.....100 lbs.11.50 - —
H-46, 1-9 dms.....100 lbs.12.50 - —

Syntex prices in lots of 10 dms. or more are 50c. per 100 lbs. less than above. These prices are f.o.b. Louisville, Ky., freight prepaid and allowed to destinations in New England, the Middle Atlantic states, Va., N.C., S.C., W. Va., Ohio, Ky., Tenn., Ind., Ill., Mich., Wis., Iowa and Mo. and the cities of Minneapolis and St. Paul, Minn., Atlanta, Ga.; Omaha and Lincoln, Neb., and Montreal and Toronto, Canada. For shipment to other points East of the Rockies and not listed above, add 1c. per lb.

V

Vinylite, AYAA, AYAF, AYAT, paper bags, c.l., (30,000 lbs.), f.o.b. cars, South Charleston, W. Va., freight paid to destination E. of Mississippi river.....lb. .40 - —
2,000 to 9,999 lbs., cns., same basis..lb. .43 - —
200 to 1,999 lbs., cns., same basis..lb. .45 - —
1 to 199 lbs., cns., same basis..lb. .60 - —
AYAB, cns., 200 to 1,999 lbs., same basis..lb. .52 - —
1 to 199 lbs., same basis..lb. .67 - —
AYAW, cns., 200 to 1,999 lbs., same basis..lb. .52 - —
1 to 199 lbs., same basis..lb. .67 - —
Vinylite, QYNA, paper bags, c.l. (30,000 lbs.), f.o.b. cars South Charleston, W. Va..lb. .48 - —
10,000 to 29,999 lbs., cns., same basis..lb. .50 - —
2,000 to 9,999 lbs., cns., same basis..lb. .52½- —
200 to 1,999 lbs., cns., same basis..lb. .55 - —
1 to 199 lbs., cns., same basis..lb. .65 - —
VYHF, VYLF, VYNW, VYRR, paper bags, c.l. (30,000 lbs.), same basis..lb. .48 - —
10,000 to 29,999 lbs., cns., same basis..lb. .50 - —
2,000 to 9,999 lbs., cns., same basis..lb. .52½- —
200 to 1,999 lbs., cns., same basis..lb. .55 - —
1 to 199 lbs., cns., same basis..lb. .65 - —

—Continued on page 62

An Invitation...

TO ALL MANUFACTURERS OF FINISHES

The General Electric Company

cordially invites all manufacturers of finishes to examine the new Glyptal Alkyd Resin, 2480.

It offers exceptional hardness, great mar resistance, and fine gloss in whites and colors. Fast baking at low temperatures and excellent durability are two more of its outstanding qualities.

Glyptal 2480 has good color retention, adhesion, pigment compatibility, and grease resistance.

This new Glyptal solution blends very well with urea formaldehyde resins if for special applications such a blend appears advisable.

We suggest its use in automotive, refrigerator, washing machines, and many other high quality baking finishes.

A sample of Glyptal 2480 is yours for the asking.

SECTION M-0329, APPLIANCE AND MERCHANDISE DEPT.,
GENERAL ELECTRIC COMPANY, BRIDGEPORT, CONN.

GENERAL ELECTRIC

New way to get better Pigmented Metal Finishes!

ACID TEST—*Metal Panel immersed in acid. Note corrosive action on uncoated portion.*

Until now, straight thermosetting resin solutions have been offered primarily as clear, chemically resistant coatings.

Today, Durez makes them also available for *pigmented* metal coatings. They still have the same chemical resistance to mild acids and alkalies. They are completely proof against common lacquer solvents. But in addition, they now offer sure protection against rust and corrosion for metal surfaces.

You will find Durez phenolic resin solutions mainly adapted to rigid metal pieces. They may be completely cured over a wide range of temperatures. For the complete story on this new adaptation of Durez phenolic resin solutions ask us about Durez 333.

DUREZ PLASTICS & CHEMICALS, INC.
529 Walck Rd., N. Tonawanda, N. Y.

DUREZ PLASTICS & CHEMICALS, INC.
RESINS THAT FIT THE JOB

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Business Will Be Drafted

Whatever submission to governmental will may be imposed on business in some one or another piece of defense legislation passed by Congress can fully be blamed on the attitude of a recalcitrant minority which has got far more than its share of inimical publicity. The haggling and squabbling over contract terms have made even the most conservative members of Congress peeved and disgusted with their task of endeavoring to get a fair deal for manufacturers of armaments and other articles essential to defense.

The "unpatriotic" reluctance to accept sacrifice, or at least to forego profiteering, has not been widely manifested—no illogical fault of business ever is. It has been most evident among contractors who belong in the category of small business—this also is the customary condition. But, all business suffers from the stigma, and all business will be penalized when the crackdown comes. This is its fate in all things.

The probability that business closely related to preparations for defense will be subjected to a substantial measure of governmental control is not to be confused with the recurrent demand that wealth be conscripted. The two matters have considerable in common in respect of their effect on business but they are likely to be cumulative, rather than exclusive, as their effects are manifested under the legislation that may be expected to apply them.

Conscription of wealth is likely to be applied to idle capital rather than to the earnings of business. The latter, however, face the probability of being stringently constrained. It is to be noted that a move in one bill in Congress to remove the profit limitation on certain contracts has been outdone in the opposite direction by the amending of the conscription bill to apply the limitation to all contracts. It must be recognized that Congress has a constituency to face this Fall; that men (liable to conscription) have votes—and so have their kin and friends—that business money cannot talk so loud politically as it once could; and that some actions of some portions of business have already talked far too loud for the general good.

War as Business Booster

Perhaps it is true, as certain commenters on business conditions declare, that war has brought to this country in the building for defense and the supplying of armaments in various ways the new big industry which has been averred to be necessary for the restoration of prosperity. If it is, the national industrial development is far less praiseworthy than it has been held out to be. An industry, or a government, that must have a war, its own or somebody else's, on which to prosper or to make good, cannot be regarded as strong or sound.

It cannot be denied that the supplying of armaments has always been a large, as well as an important, part of the business of many European countries. The philosophies of those peoples have always regarded war as an inevitable, a necessary, or even a desirable undertaking, something for which a certain measure of preparation must continuously be carried on. What proportion of the apparent industrial progress or national prosperity of those peoples has been a reflection of this activity cannot be calculated. In certain recent instances it must have been substantial. In no instance, however, can it honestly be said that such apparent prosperity was conducive to national welfare. There have been temporary advantages in certain respects, but always have these been overshadowed by mandatory sacrifices of freedom to develop industrially as desired.

Perhaps this war business has been inevitable for the United States. It may have been necessary to take up the slack of a decade's unemployment. But, it is not desirable, and to accept it as a successor of the automotive industry and the radio industry as a welcome contributor to national prosperity is to confess inability to meet the fundamental problems of economy. A people that must go to war or prepare for war in order that its business structure may be kept from collapse has learned but little in the progress of civilization. It cannot escape the frequently made charge that the physical achievements of civilization far outstrip its mental capacity to use them.

—O-P-D—

Experts Tackle Taxation

With an excess profits tax bill fairly along toward congressional enactment and the same old division of opinion and demand in the ranks of business as to who should be taxed—"but not me"—the congregating in this city next week of what are said to be experts on taxes should be an occasion of significance. These experts will gather under the aegis of the National Tax Association and will compose its thirty-third annual conference.

There must be something lacking in expertness on the part of the membership of this association; or, perhaps, like all other experts, they find their chief occupation in developing and declaiming opposing theories. Anyhow, no group interested in expert taxation can point with pride to any progress made in taxing processes during the past thirty-three years. What with duplicate, triplicate, and further-multiplied taxation of many commodities and State taxes which constitute barriers to commerce that are undeniably unconstitutional at least in spirit, taxation progress must be regarded as having been in a direction that may connote expertness but certainly does not present any evidence of common sense.

The tax experts are going to discuss "Fiscal Policy and Recovery." There is in that at least a sound of things on which expertness might well feed. There would be a bigger popular appeal and perhaps a greater political promise in an argument on why politicians appear to be afraid to make tax laws plainly say to Farmer Clay and Painter Gray:—"You must pay 11.75 percent of all you earn to maintain the sort of government that you concede is necessary and proper."

There is going to be an argument on the chain-store tax. No doubt that topic can be discussed expertly, even on the affirmative side. But, that is a tax which has no place in any modern scheme. It typifies the idea that the effectuating of economic reform, of social reform, and of all sorts of reforms should be attempted by taxation; in other words, that, as long as the fine is paid, justice is satisfied however frequently an offense may be committed.

There is room for a lot of real expertness, for science, in the discussion of taxation with a purpose of getting somewhere. Perhaps some such attention will be applied next week—and taken into the big political campaigns with the slogan, "You gotta pay for what you get —and it otta be worth it!"

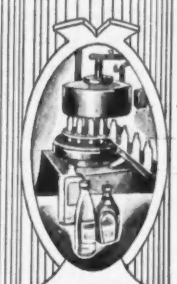
—O-P-D—

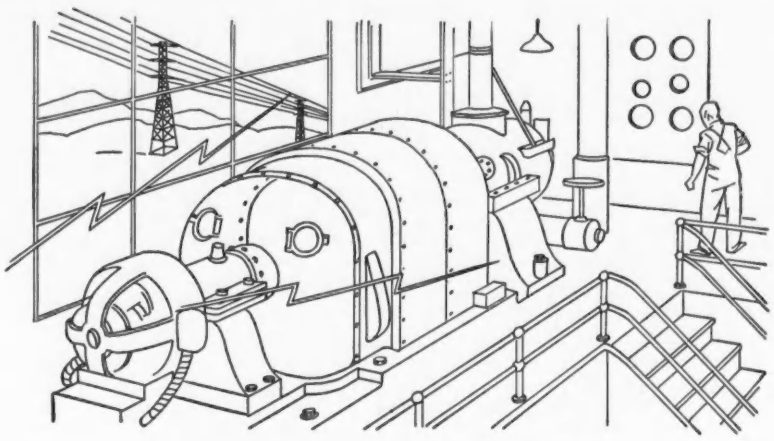
The Consumer Is Moving

There is no reason to question the sincerity of the representative of the consumer on the National Defense Advisory Commission in her asseverations that she plans no consumer drive for domination of business. But, the consumer movement for standardized goods and to prevent price boosting will be tied in very closely to the national defense program, although it will be implemented chiefly by local groups.

There is more than appears on the face of things in the eagerness of the consumer defense adviser to get close to the retail trades of the country. The conference with retailers was principally intended to put them on record against unwarranted price-boosting, and in that it was successful. The concomitant purpose is to create in the retailers' organizations agencies which will put the brakes on price-boosting tendencies in their respective fields. How far this may be pushed toward reaction from fair-trade aims cannot be predicted, but some such influencing must be expected unless the retail organizations which favor fair trade inculcate their beliefs by means of actually friendly conferences with consumer groups.

Retailers are said to be at best lukewarm toward consumer standards of quality for goods. An endeavor to bring this matter into frank consideration by manufacturers is being made in the promoting of a standards institute. But, this movement disregards the retailer and is likely to be met with charges of coercion. Public relations grow in importance as a timely topic for manufacturers and retailers. The retailer is on middleground; his daily role is that of liaison between manufacturer and consumer. The consumer has approached him with a request for cooperation and protection. The logical next move is that the manufacturer join so that the tripod of business support may be ready for whatever extra burden may be laid by the necessities of defense.





A Tribute to the Electrical Industry

There was no electrical industry in 1849, the year Chas. Pfizer & Co. came into existence. The world still lighted itself to bed by the flicker of candles or whaleoil lamps. Doors had knockers instead of doorbells. The vast possibilities of electricity as a source of power were yet unexplored. No industry today more clearly epitomizes modern progress than the great electrical industry, whose products now reach into practically every phase of our everyday living. Pfizer chemicals continue today to contribute—as they have in the past—to the growth and progress of this gigantic young industry, meeting its rigid requirements with the rigid standards of production that have built the Pfizer reputation for chemicals of high, dependable quality.

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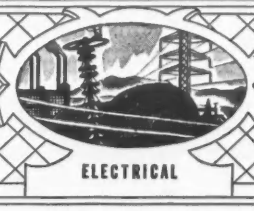

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Heavy Chemicals

Shipments Steady With Threatened Trucking Strike a Factor —Inclement Weather Retards Movement of Seasonal Items —Needle of Antimony Easier — Tin Salts Steady

Movement of many basic materials continued steady in the market for industrial chemicals last week. Month end influences were less of a factor than usual. A trucking strike threatened to bring a cessation in deliveries after Labor Day. As a result many consumers, who were mindful of the previous strike two years ago, were ordering out on a broader scale. Cool and wet weather retarded shipments of some seasonal chemicals. Prices lacked any important changes, and the tone of the market was steady to firm.

Statistics on imports of heavy chemicals for the first six months of this year show substantial declines in many items as compared with a year ago. This reflects to a great extent the hostilities in Europe, and the increased domestic facilities for certain materials. Notable in this group are included ammonia silicofluoride, ammonia sulphocyanide, sal ammoniac, caustic potash, potash carbonate, potash chlorate, potash cyanide, potash perchlorate, saltcake, soda chlorate and soda silicofluoride. With few exceptions, domestic consumers are experiencing little difficulty in obtaining adequate supplies of materials formerly supplied by belligerent countries.

Alums.—Prices well maintained. Shipments moved steadily against contracts.

Alumina Hydrate.—Fair interest was displayed for the light and heavy grades. Prices ruled unchanged.

Alumina Sulphate.—Satisfactory interest continued to prevail in most directions. Pricewise a firm tone governed the dealings.

Ammonia, Anhydrous.—Buying held at normal levels. There was nothing new to divulge in the prices.

Ammonia, Aqua.—Market position favorable, with inquiries good. Prices unchanged and firm.

Ammonia Bicarbonate. — Transactions routine. No change disclosed in the quotations.

Ammonia Bifluoride.—No new price developments occurred, while business was not very broad.

Ammonia Nitrate.—Demand steady. Market in strong position, and prices well sustained.

Ammonia Perchlorate.—Selling restricted to usual consumers. Prices nominal. Imports first 7 months, 11,648 pounds, valued at $1,149, all of which came from France and Sweden.

Ammonia Persulphate.—Small lots continued to make up the call. Prices rule firm.

Ammonia Silicofluoride. — Domestic supplies sufficient to meet most inquiries. Prices without change.

Ammonia Sulphide.—Dealings moderate. Prices lacked any change.

Ammonia Sulphocyanide.—Domestic production took up most of the lag in foreign shipments, with business fairly active.

Ammoniac, Sal.—Withdrawals from some consumers continued quite satisfactory. The market retained its firmness. Imports during first 6 months this year 1,144 short tons, valued at $43,720, of which Germany supplied 955 tons. This compared with 2,122 short tons, valued at $105,248 in like period a year ago. German shipments comprised 3,258 tons of the total.

Antimony.—Small lots usually made up the call. Domestic spot metal unchanged.

Antimony Needle.—Prices 2c. lower at 18c. to 22c. per pound. Supplies not large, but demand very light.

Antimony Oxide.—Business spotty. There was nothing new to report in the prices.

Arsenic.—Market firm. Shipments of white routine. Imports first 6 months this year 6,276 short tons, valued at $260,921, compared with 8,477 short tons, valued at $304,137 in like period a year ago. Mexico continued the principal supplier.

Price Changes

Advanced

None

Reduced

Antimony needle, 2c. per lb.
Lime, hydrated, Cedar Hollow, 50c. per ton.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
151.2	**153.7**	**153.9**	**146.8**

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	**101.6**	**101.6**	**99.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Barium Carbonate.—Prices without change. Demand fair.

Barium Chlorate. — Supplies small and business narrow. Prices ranged from 25c. to 30c. per pound.

Barium Chloride.—Steady to firm price tone prevailed, with shipments moderate.

Barium Hydrate.—Nothing new developed in the prices, and interest was only fair.

Barium Nitrate. — Usual consumers made necessary replacements. Prices without change.

Bleaching Powder. — Shipments moved to regular channels moderately. Prices continued firm.

Calcium Acetate.—Market routine. Steady to firm price tone prevailed.

Calcium Carbide.—Business spotty. The tone of the market remained firm. Germany's production increased recently for use in synthetic rubber, resins, fibers and solvents.

Calcium Chloride.—Movement for surface treating purposes continued satisfactory in some sections. Miscellaneous demand favorable. Prices unchanged.

Carbon Bisulphide. — Shipments steady. Nothing new developed in the prices.

Carbon Dioxide.—Market firm. Business moderately active.

Carbon Tetrachloride. — Shipments moved against contracts steadily. No change occurred in the prices.

Chlorine.—Demand sufficient to absorb available production, and market position very firm. Prices were well sustained.

Cobalt Oxide. — Sellers followed policy of limiting commitments to regular channels for normal needs. Prices were firm.

Copper.—Domestic business steady. Prices held at 11c. per pound. Outside

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
DCAT outing, Oct. 18-19, Skytop.
Pest Control Association, Oct. 28-30, Indianapolis.

market 11c., while export remained at 9.90c. f.a.s.

Copper Salts.—Prices held at levels established preceding period. Demand irregular.

Copper Sulphate. — While seasonal let down occurred in agricultural demand, commercial withdrawals gave the market adequate support. No change in the prices.

Copperas. — Market experienced little change from recent weeks, supplies not large, and shipments held to regular channels.

Ethyl Chloride. — Routine demand. Prices unchanged and firm.

Feldspar.—Moderate interest. Quotations without alteration.

Fluorspar. — Prices lacked any change. Shipments moderately active.

Lead Acetate. — Dealings routine. Prices steady to firm.

Lead Nitrate. — Fair inquiry. No change disclosed in the quotations.

Lime.—Price at Cedar Hollow for hydrated 50c. lower at $8 per ton. Market remained highly competitive in some sections. Demand steady.

Magnesite.—Sellers unable to meet all demands for domestic; supplies of imported negligible. Price tone very firm.

Manganese Salts.—Prices well sustained. Shipments usually confined to regular channels.

Molybdenum Metal Powder.—Firm price tone, with inquiries and shipments good.

Nickel Salts.—Steady interest. Prices rule unchanged and firm.

Phosphorus.—Supplies of red still limited to domestic needs. Yellow in fair demand, and prices firm.

Potash Carbonate. — Shipments moved against contracts steadily. Market position firm.

Potash, Caustic.—Withdrawals moderately active, and prices firm.

Potash Chlorate.—Business limited to regular channels; some spot business at premium levels. Imports first six months, 2,938,236 pounds, valued $161,500, of which the bulk came from Switzerland, Sweden and France.

Potash Cyanide.—Fair inquiry, domestic material taking up some of the slack in imported shipments.

Potash Perchlorate. — Moderate demand. Prices firm. Imports first six months, 414,400 pounds, valued at $25,463, all of which came from Switzerland and France.

Saltcake.—Good movement to paper and glass trade. Prices nominal. Imports first six months, 40,377 long tons, against 72,381 in like period a year ago.

Saltpeter.—Fair demand. No change in the prices, with tone firm.

Soda Acetate.—Moderate buying in most grades. Prices without change.

Soda Alginate. — Technical grade now offered at 39c., with prices ranging to 70c. for other grades.

Soda Ash. — Shipments remain at satisfactory levels. Prices unaltered.

Soda Bicarbonate.—Steady interest. Quotations lacked any change.

Soda Bisulphite.—Prices remain the same, while demand was moderate.

Soda, Caustic.—Shipments to various channels at a moderate pace. Nothing new took place in the prices.

Soda Chlorate. — Market position firm. Demand routine. Imports first 6 months 1,359,800 pounds, all of which came from France.

Soda Cyanide.—Demand from automotive trade factor in keeping market in satisfactory position. Prices firm.

Soda Hydrosulphite.—Dealings routine. No change disclosed in the prices.

Soda Nitrite.—Interest fairly steady from major consuming channels. Prices rule unchanged.

Soda Phosphate.—Consumers made fair size replacements to keep market in a firm position.

Soda Silicate. — Shipments moved against contracts in good volume. Prices were the same.

Soda Silicofluoride.—Normal demand, with domestic material well absorbed. Stocks of imported negligible.

Soda Stannate.—Prices held unchanged at 33c. to 36c. per pound. Buying routine.

Soda Sulphite. — Market position firm. Buying steady.

Sulphur, Refined.—Business spotty. Pricewise a firm tone predominated.

Tin Salts.—Prices for various tin derivatives held at the same levels. Straits spot closed at 50⅝c. World tin production dropped to 18,800 tons in July from a revised total of 20,100 in June, according to the International

—Continued on page 31

By-Product Sulphuric Output Increased in 1939

The output of by-product sulphuric acid at copper and zinc plants in 1939, in terms of 60 degrees Baume acid, amounted to 778,441 short tons, of which 249,569 tons were produced at copper plants and 528,872 tons at zinc plants, according to the Bureau of Mines.

The acid reported is only that produced from the sulphur content of the sulphide ores. The figures are exclusive of acid made from pyrites concentrates in Montana and Tennessee. Some acid recovered as a by-product in the roasting of high sulphide gold and silver concentrates is included in the tonnages for copper plants for 1939 and 1938, and is included in this manner in order to avoid the disclosing of confidential information.

In addition, 102,663 tons of sulphuric acid were made at zinc plants from 26,500 tons of sulphur, indicating a large increase in the use of sulphur for boosting the recovery of acid at zinc plants over the low rate in 1938. No sulphur was used at copper plants.

In 1938, 687,176 tons of by-product sulphuric acid were produced. Of this amount 220,297 tons were recovered at copper plants and 466,879 tons at zinc plants. In addition, sulphur amounting to 8,248 tons was used at zinc plants for the recovery of 30,996 tons of sulphuric acid.

Atlas Powder to Operate Munitions Plant for U.S.

Ravenna, Ohio, Aug. 28, 1940

The Atlas Powder Company, Wilmington, Del., will operate a munitions-loading plant on land near here purchased by the War Department today. The plant, which will cover nearly thirty miles, will be under construction within a month. About $2,000,000 was paid for the 18,000 acres of farm land on which the plant will be built.

Soda Silicate Rate Changed

The Public Service Commission has approved new commodity freight rates of the New York Central, on soda silicate, in tankcars, minimum weight subject to Rule 35 of Official Classification, from Gardenville to North Tonawanda and Lockport, 5c. per hundredweight. Reduction from class rates. Effective September 15, 1940.

Union Carbide & Carbon Corporation, this city, has taken options on 100 acres of land in East Chicago, near the plant of one of its units, the Linde Air Products Company.

Insecticide Association Elects Moyer President

—Continued from page 3

executive secretary and treasurer, Lea S. Hitchner, and assistant secretary, Miss June C. Heitzmann.

Elected to the directorate were:—J. H. Boyd, of the Commercial Chemical Company; J. B. Cary, of the Niagara Sprayer & Chemical Company; R. E. Demmon, of the Stauffer Chemical Company; A. J. Flebut, California Spray-Chemical Corporation; G. F. Leonard, of the Tobacco By-Prod. & Chemical Corporation; H. P. Mansfield, of the E. I. Du Pont de Nemours & Co.; H. D. Whittlesey, of the Sherwin-Williams Company; Mr. Moyer, and Mr. Hitchner.

The association voted to eliminate the office of chairman of the board, which office had been vacated early in the year, when R. C. Chipman, who held that post since the inception of the association, resigned.

Great Lakes Chemical Names T.S. Nichols to Directorate

T. S. Nichols, vice-president of Prior Chemical Corporation, has been elected a director in Great Lakes Chemical Corporation of Filer City, Michigan. Prior Chemical Corporation are sole selling agents for Great Lakes Chemical Corporation, manufacturer of bromides and liquid bromine.

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Heavy Chemicals

—*Continued from page 29*

Tin Research and Development Council.

Zinc Chloride.—Withdrawals against contracts moderate. Quotations unchanged and firm.

Acids

Buying held at favorable levels for the majority of mineral acids last week. While shipments were usually moderate, interest was steady. The position of most acids was firm. Outlook continued favorable. Prices were well sustained. High operations in the steel industry, and resumption of automotive activity were highly important to many materials.

Acetic.—Buying moderately active. Prices steady.

Battery.—Prices well maintained, with shipments routine.

Chromic.—Call from plating trade steady. Quotations firm.

Formic.—Withdrawals sufficient to keep market in firm position.

Gallic.—Demand light. Market was strong, however, in view of small supplies.

Hydrofluoric.—Transactions routine. Prices continued firm.

Lactic.—Business irregular. Prices without alteration.

Muriatic.—Good interest in most directions. Prices firm.

Nitric.—Inquiries reach market in satisfactory manner. Prices unchanged and firm.

Oxalic.—Market position firm, selling limited to usual channels.

Sulphuric.—Favorable operations in steel industry and other major consuming lines gave the market good support. Outlook favorable. Prices lacked any new developments, and tone was firm.

Baltimore, Aug. 28.—The talk in the market for sulphuric acid is to the effect that although quiet prevails on the surface, with producers declaring that the demand leaves much to be desired, the situation is really very much better than sellers will admit. While the nominal quotations still stand at $12 per ton for 60-degree and at $15 per ton for 66-degree acid. The market for oleum is very quiet, and quotations range around $17 per ton for 20 percent supplies.

Insecticides

Business failed to show any broadening, and most transactions were conservative in the market for agricultural insecticides and fungicides last week. The cool, wet weather was a detrimental factor in many Eastern States. Not a great deal of business accrued from the South. Cotton made fair to good progress in most of the cotton belt, and conditions vary from locally poor to generally fair to good, according to the Governments weekly weather report. A new price schedule, effective immediately, was issued for calcium arsenate in the Southern cotton States.

Calcium Arsenate.—New schedule issued for Southern cotton States with drums, car lots, 6c., and less car lots 6¼c. per pound, effective immediately. Demand fair.

Lead Arsenate.—Buying lacked any broadening, and business drifted in a routine manner. Prices unchanged.

Nicotine Sulphate.—Demand conservative. Prices unchanged. Exports first six months this year, 294,392 pounds, valued at $183,409. There were no imports during first half of 1940.

Hopkins Resigns As Commerce Secretary

—*Continued from page* 3

istrators of the New Deal. He came to Washington in 1932 as a director of the Reconstruction Finance Corporation and in the following year became its chairman. In 1936 he became chairman of the first Export-Import Bank, and is now chairman of the second. Since July, 1939, he has been administrator of the Federal Loan Agency.

In another change, Carroll L. Wilson, of Massachusetts, was named assistant director of the Bureau of Foreign and Domestic Commerce, Department of Commerce. Mr. Wilson is now executive assistant to the director.

Colton Chemical Co. Plant Damaged by Explosion

Orange, N. J., August 28, 1940

Fire caused by an explosion today completely gutted the offices of the Colton Chemical Company, located in the United States Radium Corporation building, here. The explosion was due to ignition of chemicals being used in the laboratory by Dr. Howard E. Worne, developer of chemical compounds for killing Japanese bettles. Dr. Worne was burned on the face and neck. Fire-proof walls prevented the flames from spreading to the offices of the Arpin Products Company, manufacturer of plastic novelties, located in the same building.

Agricultural Chemists to Meet

Association of Official Agricultural Chemists will hold its annual meeting in the Raleigh Hotel, Washington, D. C., October 28-30. Henry A. Lepper, secretary and treasurer of the association, in charge of arrangements.

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What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Three-hundred-forty-first Instalment

Paper

Wetting or Penetrating Agents Used in Finishing Paper

(Continued from August 26 issue)

Isopropylnaphthalene sulphonic acid
Kali penetrators
Kalpinol
Lanaclarin LM
Lanette waxes
Lead-titanium tungstate-resinate
Lecithin
Lecithin hydrate
Lightning penetrator X
Linseed-oil fatty acids
Lorol
Malic acid
Mercerol
Merpentine
Methyl oleicsulphonate
Methyldodecylamino-acetic acid
Methyldodecylamino-methylsalicylic acid
Methyldodecylamino-succinic acid
Methyloleylaminoacetic acid
Methyloleylamino-succinic acid
Modinal T
Monoalphabetahydroxy-propylamylamine
Monobetahydroxyethyl-amylamine
Monobutyldiphenyl sodium monosulphonate
Monobutylnaphthalene-sulphonic acid
Monobutylphenyl-phenol-sodium monosulphonate
Monoethylphenylphenol-sodium monosulphonate
Monoethylphenyl-phenol-potassium monosulphonate
Monoethylphenol aminomonosulphonate
Monoethylphenyl-phenolquinadin monosulphonate
Monopole oil
Nacconols
Naphthalenesulphonic acid
Naphthalenesulphonic acid with organic fat solvents
Naphthenates
Natrex
Nekal
Neo-fats
Neomerpin
Neopen
Neo-shaminol and olive oil C
Neo-odorol
Nopco
Ocenol
Octyl alcohol
Octylguanidin hydrochloride
Oleic acid
Oleic benzylglycolsulphonate
Oleoglyceryl sulphate
Oleyl alcohol with stearyl alcohol
Olive oil soap
Orvus
Palmitic acid, sulphonated
Penetralene
Penetraline
Penetrol
Pentodecanol-sodium sulphonate
Permeko
Phenol and methylcyclohexanol
Phosphates
Pine oil
Polymerized organic salts of sulphonic acids of alkylaryl type
Potassium betatetrahydronaphthalenesulphonate
Potassium heptanaphthalenesulphonate
Potassium isoallylnaphthalenesulphonate
Potassium isoamylnaphthalenesulphonate
Potassium isopropylnaphthalene sulphonate
Potassium oleoabietate
Potassium pentanaphthalenesulphonate
Potassium ricinoleicsulphonate
Prestabit
Proflex
Purol C
Radiactine
Ricinoleic acid
Rozolin
Santomerse
Sapamines
Saponified oils
Saponin
Saturated fatty alcohols
Secondary aryl alcohol sulphates
Shaletar oil
Sherol
Soaps
Soap with organic fat solvent
Sodium alkylnaphthalenesulphonates
Sodium allylnaphthalenesulphonate
Sodium alphatetrahydronaphthalenesulphonate
Sodium betatetrahydronaphthalenesulphonate
Sodium cetylsulphate
Sodium cresylate
Sodium dibutylsulphosebacate
Sodium isopropylchloronaphthalenesulphonate
Sodium hexametaphosphate
Sodium laurylethylsulphonate
Sodium laurylsulphate
Sodium monobenzylsulphanilate
Sodium oleate
Sodium oleate, slight excess of oleic acid
Sodium oleicethylsulphate
Sodium oleoabietate
Sodium oleylsulphate
Sodium pentylnaphthalenesulphonate
Sodium propylnaphthalenesulphonate
Sodium salt of double suphonated oleyl sulphate and cetyl alcohol sulphates
Sodium stearylsulphate
Sodium sterylsulphate
Sodium sulphoricinoleate
Sodium sulphosebacate
Sodium-betatetrahydronaphthalene-6-sulphonic acid
Solubel pine oil
Solvadine
Solvenol
Sonolene
Sonopol soap
Sorbitol
Sorbitol triricinoleate, sulphonated
Stannic-tetraphenyl
Stearic acid
Stearyl alcohol with oleyl alcohol
Sulfanole
Sulphonated animal oils
Sulphonated esters of higher alcohols and dibasic acids
Sulphonated fatty acids
Sulphuric acid
Sulphonated fatty acid amides
Sulphonated fatty acid esters
Sulphonated fatty alcohols
Sulphonated mineral oils
Sulphonated mixture of cetyl and stearyl alcohols
Sulphonated vegetable oils
Sulphoricinoleates
Sulpho-textol
Sulpho-turk
Syntex
Synthetic aliphatic penetrants
Tall oil amide
Tensol
Tergitols
Tetrahydronaphthalene-sodium sulphonate
Triethanolamine linoleate
Triethanolamine oleate
Trihydroxyethylamine linoleate
Trihydroxyethylamine stearate
Triton suds
Triton 720
Turkelene
Turkey red oil
Turkey red oil with organic fat solvent
Twitchell base 265
Ultravon W
Ultrawet
Vatsols
Virifoam A
Wetanol
Wetsit
White pine oil
Xynomines
Yarmor 302
Zephiran

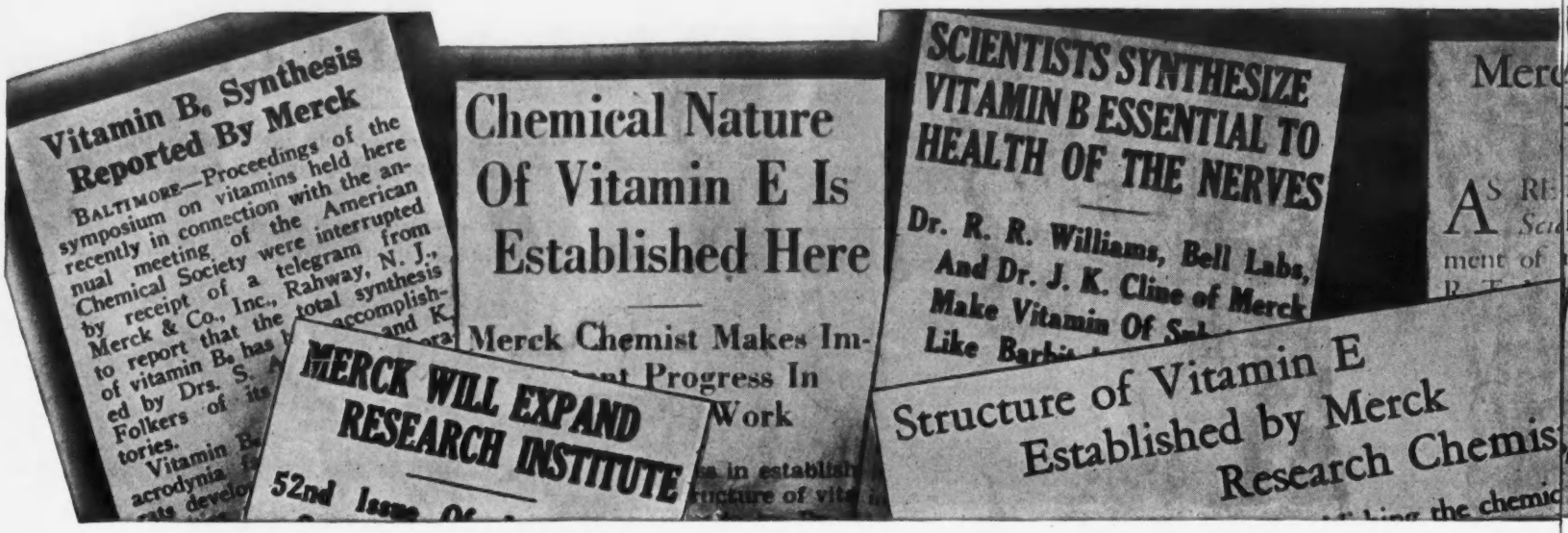
Woods Used in Making Paper

Aspen
Balsam fir
Basswood
Beech
Black gum
Cedar
Chestnut
Cottonwood
Cucumber tree
Douglas fir
Fir
Hemlock
Jack pine
Longleaf pine
Maple
Paper birch
Pine
Poplar
Redwood
Spruce
Sweet gum
Sycamore
Tulip tree
Western larch
White spruce
Yellow birch

Oxide Ores

Flotation Agents for Oxide Ores

Air
Alkali hydroxides
Alkali sulphides
Carbon dioxide
Carbon monoxide
Gas oil
Hydrocarbons
Hydrogen sulphide
Kerosene
Lime
Nitrogen
Oils
Silicic acid solutions
Soaps
Sodium hydroxide
Sodium oleate
Sodium palmitate
Sodium phosphate
Sodium resinate
Sodium silicate
Sodium stearate


Vitamin B6 Synthesis Reported By Merck
BALTIMORE—Proceedings of the symposium on vitamins held here recently in connection with the annual meeting of the American Chemical Society were interrupted by receipt of a telegram from Merck & Co., Inc., Rahway, N. J., to report that the total synthesis of vitamin B6 has
Chemical Nature Of Vitamin E Is Established Here
Merck Chemist Makes Important Progress In Work
MERCK WILL EXPAND RESEARCH INSTITUTE
52nd Issue Of
SCIENTISTS SYNTHESIZE VITAMIN B ESSENTIAL TO HEALTH OF THE NERVES
Dr. R. R. Williams, Bell Labs, And Dr. J. K. Cline of Merck Make Vitamin Of Su
Like Barbi
Structure of Vitamin E Established by Merck Research Chemis
Merc
An
Pan
AS RE
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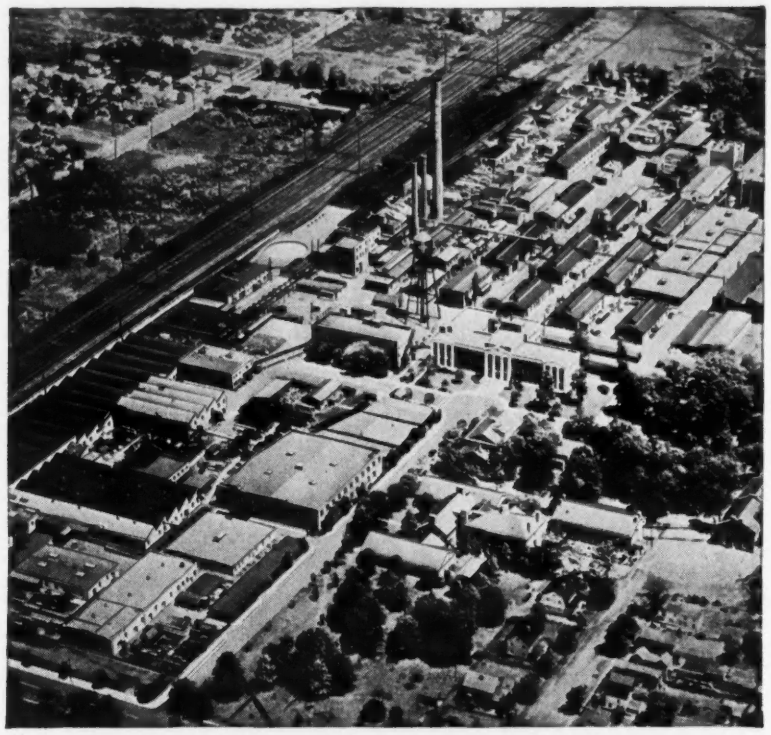
VI
N
by



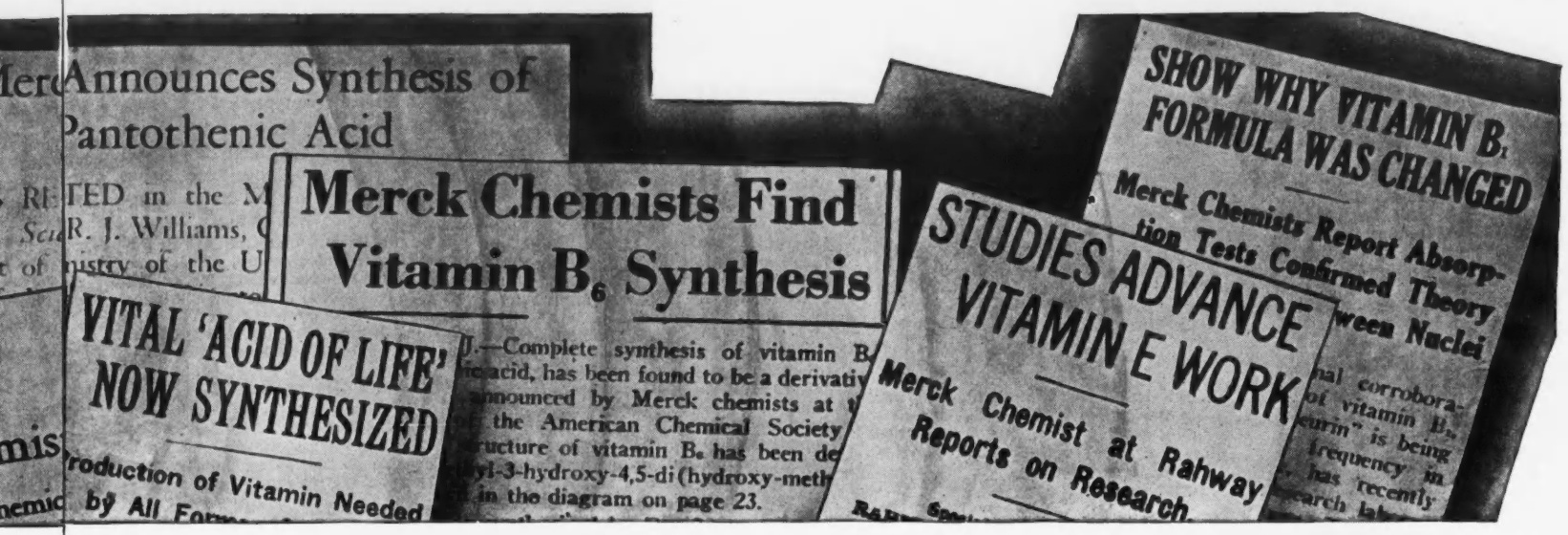
Above: A recent aerial view of the main plant, administration building, and research laboratories of Merck & Co. Inc., Rahway, N. J.

Below: Entrance to the Merck Research Laboratories, and several laboratory scenes of vitamin procedures.

MERCK

PIONEERS IN THE SYNTHESIS AND PRODUCTION OF PURE CRYSTALLINE VITAMINS

MERCK & CO. Inc. *Manufacturing Chemists* RAHWAY, N. J. · New York · Phielp



HEADLINES announcing fundamental discoveries in the vitamin field by Merck chemists and their collaborators have provided frequent and striking illustrations of the outstanding role played by Merck & Co. Inc. in the development of this important line.

In August, 1936, headlines announced the successful synthesis of vitamin B_1 in the Merck Research Laboratories, and subsequently they told of the chemical identification and synthesis of vitamin E (alpha-tocopherol) by Merck chemists and their collaborators. More recently, in 1939, the isolation, chemical identification and synthesis of vitamin B_6 were accomplished in the Merck Research Laboratories, and early in 1940, Merck investigators and their associates succeeded in identifying and synthesizing another member of the vitamin B complex, pantothenic acid — achievements which again made headlines in scientific journals and other publications. In addition to these noteworthy contributions, Merck has developed methods which have made possible the commercial production of other important vitamins, including riboflavin, ascorbic acid, and nicotinic acid.

With vitamins commercially available as pure substances, it is now possible for the pharmaceutical manufacturer to formulate desirable vitamin combinations with consummate ease. By using these pure chemicals of known and uniform potency, the manufacturer can readily adjust the proportions of the individual vitamins to the particular requirements of his own products.

* * *

Through institutional advertising in leading medical journals, exhibits at important medical meetings, and by the distribution of factual and up-to-date descriptive literature, Merck & Co. Inc. is constantly bringing the uses and advantages of vitamins to the attention of the medical profession for the benefit of pharmaceutical manufacturers who make dependable vitamin preparations.

* * *

Literature on Request

MERCK VITAMIN PRODUCTS

Vitamin B_1 Crystals Merck
(Thiamine Hydrochloride U.S.P.)

Ascorbic Acid Merck (U.S.P.)

Riboflavin Merck

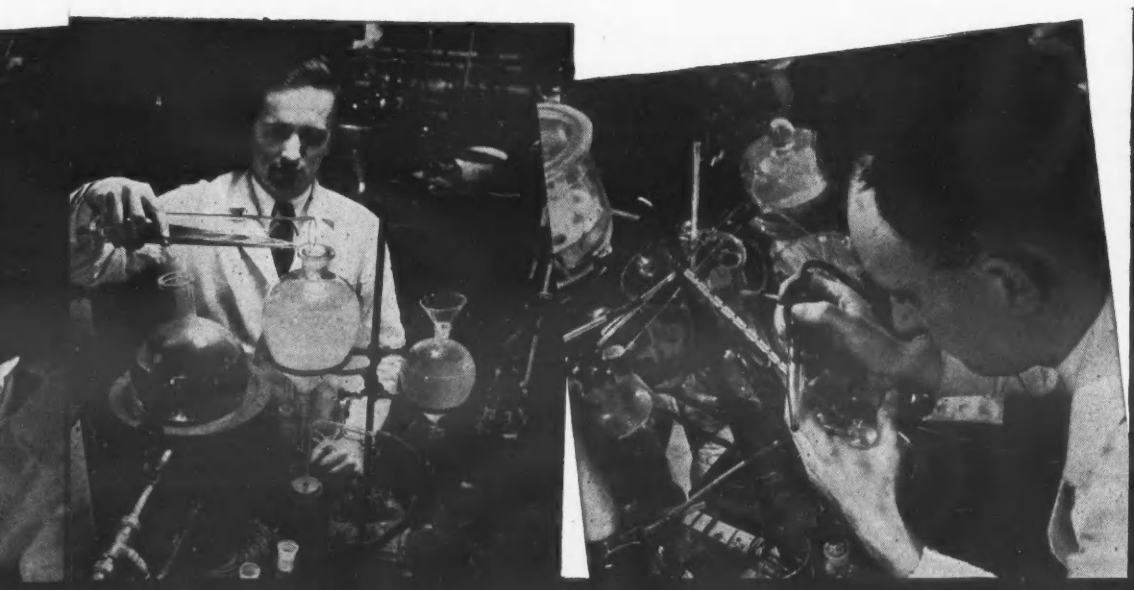
Nicotinic Acid Merck (U.S.P.)

Nicotinamide Merck

Vitamin B_6 Hydrochloride Merck

2-Methyl-Naphthoquinone Merck

Alpha-tocopherol Merck
(Vitamin E)



MERCK

MERCK

FINE CHEMICALS FOR THE PROFESSIONS AND INDUSTRY SINCE

★ 1818 ★

Phielphia · St. Louis · *In Canada:* MERCK & CO. Ltd., Montreal and Toronto

Magnesium Patents Investigated by U.S.

—Continued from page 3

the Aluminum Company of America and the General Aniline & Film Corporation. Mr. Brown said that his company operated under American patents, quite a number of which were formerly owned by a German company. These patents and some of United States origin are held by the Magnesium Development Corporation, formed in 1931 by the I. G. Farbenindustrie A.G. and the Aluminum Company of America.

The reason for the formation of this holding company, according to Mr. Brown, was that many American processes were in conflict in this country with German patents. There are no restrictions in the licenses under patents in this pool, Mr. Brown said, and the arrangement, in his view, was a fortunate one because "it has brought to this country not only all the German magnesium patents, but the all-important know-how developed by the Germans in their intensive exploitation of magnesium. It has certainly turned out to be a one-sided bargain for the United States, for up to this minute the Germans have not received a single dollar in royalties or patent fees in return."

Dow Files $25,000,000 Issues with SEC

The Dow Chemical Company, Midland, Mich., will issue $15,000,000 ten-year debentures and 103,199 shares of common stock, no par value, at $100 a share, according to a registration field with the Securities and Exchange Commission.

Of the net proceeds, $5,215,000 will be applied to the redemption, at 102½ percent, of $5,000,000 principal amount of 3 percent fifteen-year debentures. The balance of the proceeds will be added to the company's cash funds which will be called upon for expenditures for capital additions, replacements and improvements to plants, processes and facilities for the manufacture of new products and to meet increased demands for old products.

The company stated that expenditures for such purposes during the last three fiscal years totaled approximately $12,750,000. The company has a new plant under construction near Freeport, Tex., and at present authorized expenditures for this plant approximate $15,000,000.

The common will be offered at $100 a share to the registrant's shareholders of record September 20 on the basis of one share for each ten shares held. Transferable subscription warrants expiring Oct. 11, 1940, are to be issued to the common stockholders. The company stated that any of the stock not subscribed for may be sold by order of the board of directors, at not less than $100 a share, without the necessity of reoffering such shares to holders of the common stock.

Tin Trading to Continue On N.Y. Commodity Exchange

The New York Commodity Exchange has voted to retain after December 31 its facilities for trading in Straits tin futures. Earlier in the year the exchange voted to discontinue such trading on that date.

Sulphuric Freights Revised

The New York Public Service Commission has approved cancellation of commodity rates on acids as follows:—

By the Delaware, Lackawanna & Western, acids carload, from Syracuse and Solvay and stations East Buffalo to Black Rock inclusive to points in Trunk Line territory. Advances and reductions to class rates. Effective September 10, 1940.

Of the Lehigh Valley, muriatic, nitrating and sulphuric acids, carload, in packages or in tankcars, from various stations on Niagara Falls branch and Buffalo division to Rochester and Cortland. Advances to class rates. Effective September 10, 1940.

Of the New York Central on sulphuric acid in tankcars, carload, from Buffalo to Dunkirk. Advances to class rates. Effective September 15, 1940.

Farm Research Laboratory Moved to New Quarters

Members of the staff of the Eastern laboratory of the Department of Agriculture for research on utilization of farm products have moved from their temporary quarters into the new building at Wyndmoor, near Philadelphia. Actual experimental work there will get under way within a month.

The research work of the Eastern laboratory, at least at first, will have to do with seven groups of commodities—milk products, vegetables, white potatoes, apples, tobacco, animal fats and oils, and tanning materials, hides, and skins. The requirements of the defense program, and changes brought about by unsettled conditions in the world have given new urgency to research on many of these commodities, department officials point out. In some cases United States exports have been curtailed, and in others there is a possible uncertainty of supplies of necessary materials. Tanning materials, of great importance now because of the quantities of leather used by military forces, are among the commodities of which present sources of supply no longer are considered sure.

The staff of the Eastern laboratory is not complete, but Dr. P. A. Wells, director, now has the following division heads:—Dr. J. J. Willaman, biochemical; Dr. M. J. Copley, analytical and physicochemical; Dr. L. T. Smith, potato starch and lactose; R. W. Frey, hides, tanning materials, and leather; R. K. Eskew, chemical engineering and development; and R. W. Jackson, protein. The chief of the animal fats and oils division has not yet been appointed.

U.S. Helium P'ant Could Doub'e Ou!put

The government's helium plant, near Amarillo, Tex., has recently completed producing 100,000,000 cubic feet of helium, according to the Bureau of Mines, at the end of its eleventh year in operation. This production could be doubled if the plant were run at its rated capacity.

Consumer Protection Considered by Retailers

—Continued from page 5

The experience of American consumers and retailers during the World War was reviewed by Lew Hahn, general manager for the National Retail Dry Goods Association.

Donald Nelson, coordinator for National Defense Purchases, presided at a luncheon meeting where Isador Lubin, Commissioner of Labor Statistics, spoke on "Employment, Payrolls, and Cost of Living as They Are Affected by the Defense Program."

Problems Discussed

In the afternoon, the conference entered upon a discussion of specific aspects of retailer and consumer problems, such as "Checking Unwarranted Increases at the Preretail Level," introduced by Oswald Knauth, president of the Associated Dry Goods Corporation, New York; "The Problem of Speculative Buying," by Lewis W. Cole, chairman of the executive committee of the National Association of Food Chains; "Quality Changes, Standards, and Substitution," by W. H. Brightman, chairman of the National Consumer-Retailer Council; "Retailer Interest in the Free Flow of Goods," by Hector Lazo, executive vice-president of Cooperative Food Distributors of America.

After the general discussion, the conference elected an advisory committee of retailers to confer with Miss Elliott and assure the steady cooperation of the retail trade with the defense commission.

Among the retail trade representatives present were Morris G. Goldstein, of the District of Columbia Pharmaceutical Association; Fred J. Griffith, of the National Association of Chain Drug Stores; Guy Holcomb, of the National Association of Petroleum Retailers; Rowland Jones, jr., of the National Association of Retail Druggists, and Augustus C. Taylor, of the National Association of Boards of Pharmacy.

Specify HEYDEN

BENZYL CHLORIDE
Refined and Technical Grades
To be certain of uniformity—so important to the consuming industries—specify Benzyl Chloride HEYDEN. Delivery in clean, modern containers.

FORMALDEHYDE • PARAFORMALDEHYDE U. S. P. X

HEXAMETHYLENAMINE • Creosote

Salicylic Acid • Methyl Salicylate • Benzoic Acid

Benzoate of Soda • Bromides

Benzaldehyde • *Write for Current Products List*

FINE HEYDEN CHEMICALS

HEYDEN Chemical Corporation

50 UNION SQUARE · NEW YORK CHICAGO BRANCH: 180 N. WACKER DRIVE

FACTORIES: GARFIELD, NEW JERSEY FORDS, NEW JERSEY

Dyestuffs, Textile and Leather Chemicals

Business Marks Time — Outlook for Fall Continues Good —Mangrove Bark Firmer—Thickboil Wheat Starch Lower —Gambier Easier—Corn Derivatives Remain Firm

Business in the market for dyestuffs, textile and leather chemicals continued to mark time. There was little change in the attitude of consumers to await developments abroad for the next few weeks at least before entering the market for replacements. This was especially true of imported materials. Threats of a trucking strike prompted a few more inquiries in certain items, but with the month end and holiday influences this was more the exception than the rule. Outlook for improved operations in the textile and tanning industries over the next several months remain bright.

Gambier was easier in the absence of any worthwhile demand, although supplies were not large. Mangrove bark firmed slightly; fibrous and non-fibrous were quoted at different prices. Wheat starch eased fractionally to conform with the lower commodity price. Other starches remained firm; corn starch and dextrin were firm; sellers report moderate bookings. Demand for domestic blood albumen was in excess of available supplies. A slightly better inquiry was prevalent for egg products in some directions. Bichromates moved steadily. Prussiates were in fair demand. Natural dyestuffs remained dull.

Chemicals

Alumina Acetate.—Buying only fair. Prices unchanged.

Alumina Chloride. — Dealings routine. Quotations lacked any change.

Ammonia Acetate.—Demand spotty. No change in the quotations.

Ammonia Bichromate.—Transactions narrow. Prices without change.

Antimony Salts. — Market quiet. Pricewise no change occurred.

Chrome Acetate.—Steady to firm price tone, with shipments conservative.

Potash Bichromate. — Shipments moderately active. Prices rule firm.

Potash Prussiate.—Firm price tone remained in evidence, with interest modest.

Soda Bichromate. — Withdrawals against contracts steady. Market position firm.

Soda Prussiate. — Dealings lacked any broadening. Prices remain the same.

Sulphonated Oils. — Moderate buying. No further change reported in the prices.

Zinc Dust.—Consumers made fair-size replacements. Prices rule firm.

Dyestuffs

Annatto.—Inquiries light. No change disclosed in the prices.

Cochineal. — Market position firm, with demand narrow.

Fustic.—Business fair. Pricewise a firm tone prevailed.

Hypernic. — New business lacked much feature. Prices remain unchanged.

Indigo.—New crop arrival awaited, with buyers and sellers marking time.

Logwood. — Market continued routine. Nothing new developed in the prices.

Madder Dutch. — Transactions dull. Quotations unchanged.

Turmeric.—Position of market continued strong, although buying was not heavy.

Sizing Materials

Albumen, Blood.—Supplies inadequate to cope with all inquiries, shipments steady to regular channels. Prices rule firm.

Albumen, Egg.—Prices unchanged. A slightly better inquiry was noticeable in some directions.

Corn Sugar.—Shipments moderate. Prices unchanged.

Price Changes

Advanced

Mangrove bark, 50c. per ton.

Reduced

Gambier, common, ½c. per lb.
plantation, ½c. per lb.
Singapore, cubes, ¾c. per lb.
Starch, wheat, thickboil, ¼c. per lb.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
144.4	144.8	144.8	134.4

Market news that may have developed after this report was sent to press will be found on page 4.

Dextrin, Corn.—Bookings fair. Prices hold at previous levels, with tone of market firm.

Dextrin Potato.—Market in firm position. New business light.

Egg Yolk.—Fair interest. Prices without change and firm.

Starch, Corn.—New bookings moderately active, sellers fairly well caught up with backlogs. Prices unchanged. Visible supplies of corn increased 325,000 bushels for week ended August 24.

Starch, Potato.—Market lacked any new developments, prices continued firm.

Starch, Rice.—Business failed to broaden. Prices steady to firm tone prevailed.

Starch, Wheat.—Price ¼c. lower at 5c. per pound, reflecting easier tone in basic commodity.

Tapioca Flour.—Market firm. Moderate inquiry.

Tanning Materials

Chestnut Bark.—Demand fair. Prices rule unchanged.

Cutch.—Business quiet. Prices remain firm.

Gambier.—Prices fractionally lower, common ranged from 6c. to 6½c.; cubes, Singapore, 8¼c. to 8¾c. per pound and plantation, 9½c. to 10c. Buying light.

Hemlock Bark.—New business moderate. Prices lacked any change.

Mangrove Bark. — Prices slightly higher, with non fibrous $37.50 per ton and fibrous $36 per ton.

Myrobalans.—Demand dull. Quotations failed to change.

Oakbark. — Replacements on conservative scale. Prices unaltered.

Osage Orange.—Market quiet. Prices without change.

Quebracho. — Moderate inquiry. Pricewise a firm tone prevailed.

Quercitron.—Trading lacked much feature. Quotations rule unchanged.

Valonia.—Prices for beards and cups unaltered. Not much interest.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Textile Chemists and Colorists, Oct. 18-19, New York.

Textile Mildewproofers Tested by U.S. Bureau

—Continued from page 4

and those applied to the surface of the cloth; quaternary ammonium compounds; common insecticides, such as rotenone and sodium silicofluoride, applied in solution to the fabric; substituted phenols, both with and without water-resistant coatings; inorganic salts, used alone and with soaps; common antiseptics, such as chlorothymol, phenyl salicylate, and various borates; organic salts of heavy metals applied in emulsion form; and other organic compounds with possible antiseptic properties.

These chemicals vary greatly in effectiveness and practicability. Some of the most effective mildew-resistant treatments are useless because of the high toxicity of the chemicals used and consequent danger in handling the treated fabrics. Others which are not especially toxic have a disagreeable odor that disqualifies them for certain uses. Many of them are colored, and while this does not necessarily eliminate them as mildew-resistant treatments, nevertheless a colorless finish is preferable. Some of the chemicals used, while preventing mildew growth, themselves rotted the fabric.

Work is still in progress in the bureau to find a mildewproofing finish which will embody all the required properties. It must be inexpensive, nontoxic, odorless, colorless, permanent to weathering and laundering, and must not affect the strength nor shrink the fabric.

Chromite in Montana Described in G.S. Report

OPD Washington Bureau
August 28, 1940

The Geological Survey, United States Department of the Interior, as a part of its strategic minerals investigations, has prepared a report on the chromite deposits of the Eastern part of the Stillwater Complex, in Stillwater county, Montana. This report is not yet available for distribution, but copies of it may be inspected at the offices of the Geological Survey in Washington, D. C., Billings, Mont., and Salt Lake City, Utah.

General Dyestuff Releases New Blue Black Dyestuff

The General Dyestuff Corporation, manufacturer of dyes and textile chemicals, has released a new direct color, "Phenamine Blue Black BCW." The new product is said to produce deep blue shades on cotton and rayon, and have the feature of leaving acetate rayon practically unstained when used in the dyeing of mixed fibers. A leaflet completely describing the new dye may be obtained by addressing the General Dyestuff Corporation, 435 Hudson street, New York, mentioning the REPORTER.

DuPont Has New Dyestuff

A new fast-to-light chrome dyestuff, "Pontachrome" fast red 2RL, is announced by the dyestuffs division of E. I. du Pont de Nemours & Co. The new dyestuff can be applied to slubbing, loose wool, yarn and piecegoods by either the after-chrome or chromate method, the company says.

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
Natural BICHROMATES

DRY COLORS—DYESTUFFS
IMPORT EXPORT
FEZANDIE & SPERRLE, 205 Fulton Street, NEW YORK
Telephones: COrtlandt 7-1460-1461 Cable Address: "Fezan", N. Y.

NIACET ALDEHYDES
ACETALDEHYDE CROTONALDEHYDE
PARALDEHYDE ACETALDOL
For the manufacture of
Resins Accelerators Dyestuffs
Plastics Antioxidants Organic Chemicals
Solvents Insecticides Flotation Agents
NIACET CHEMICALS CORPORATION 4703 PINE AVE., NIAGARA FALLS, NEW YORK

MUTUAL BICHROMATES
BICHROMATE OF SODA
BICHROMATE OF POTASH
CHROMIC ACID
MUTUAL CHEMICAL CO. OF AMERICA
MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVE. NEW YORK
PLANTS AT BALTIMORE AND JERSEY CITY MINES IN NEW CALEDONIA

RETAIL DEALER PRICES

The Barrett Company announces the following Retail Dealer prices for Household and Insecticide grades of Refined Naphthalene.

Polar Naphthalene, a standard in the industry for many years, is prime white, of highest purity, and readily available for immediate shipment at all times. Shelf packages are strikingly colored, attention compelling, self sellers.

Prices are effective October 1, 1940, but subject to change without notice.

POLAR FLAKE, BALL OR NUGGET	PRICE	
12 oz. Packages	$.0725	per pkg.
1 lb. Packages	.0875	per lb.
5 lb. Canisters (Flake and Ball only)	.0865	per lb.
50 lb. Bulk Fibre Cases	.0825	per lb.
Barrels	.08	per lb.
CHIPPED OR CRUSHED		
50 lb. Bulk Fibre Cases	$ .075	per lb.
Bags or Barrels	.0725	per lb.
LARGE RICE, SMALL RICE OR POWDERED		
50 lb. Bulk Fibre Cases	$ .0825	per lb.
Bags or Barrels	.08	per lb.

Terms of sale: 1% 10 days, Net 30 days.

F.O.B. Frankford, Philadelphia, Pa., or Chicago, Ill., freight equalized (minimum 100 lbs.) with Birmingham, Ala., Boston, Mass., Newark, N. J., and St. Louis, Mo. Free store door delivery (minimum 100 lbs.) in Metropolitan New York and within the city limits of Philadelphia, Chicago and St. Louis. West Coast shipments: F.A.S. Philadelphia

Barrett
CHEMICALS

THE BARRETT COMPANY
40 Rector Street New York, N. Y.

* Trade-mark of The Barrett Co., Reg. U. S. Pat. Off.

Coaltar Chemicals

Hydrogenated Solvents Reduced — Benzol Output Increases —Domestic Crude Naphthalene Prices to Continue Unchanged —July Byproduct Coking Operations Increase Moderately

Demand lacked much broadening, but held at fair levels in the market for coaltar chemicals last week. Latest statistics show an upward trend in by-product coking operations for July, with a gain recorded in tar and light oil recovery over the preceding month and same month a year ago. Benzol output likewise continued to advance. Price changes were confined to revisions in the various hydrogenated solvents. Quotations were scaled down substantially as the result of improved processing methods, together with increased production facilities.

Domestic crude napthalene, quotations will remain firm for the fourth quarter. No further changes occurred in benzol, although the position of the market was not considered strong. Prices for toluol and xylol were unchanged. Phenol continued firm, shipments moved steadily to most channels; export inquiries were moderate. A steady to firm price tone prevailed in the market for cresylic acid. Prices for coaltar acids, intermediates and colors retained their firmness, however, business was not too active.

The total production of byproduct coke in July was 4,612,091 tons, a gain of 5.4 percent over the 4,374,626 tons produced in June and compared with 3,354,100 tons in July a year ago. The amount of byproduct coke from furnace plants increased 6 percent over June and that from merchant plants nearly 4 percent. Coke was produced at 83 plants of which 79 made ammonia and 57 made benzol. Stocks of coke at byproduct plants at the end of July showed an increase of nearly 6 percent over the amount on hand at the beginning of the month.

Tar oil recovery during July amounted to 57,249,657 gallons, compared with 53,618,132 gallons in the preceding month and 41,208,211 gallons in July a year ago. For the first seven months output aggregated 369,157,188 gallons, against 260,924,655 gallons in the same period a year ago. Light oil production in July totaled 18,885,123 gallons, contrasted with 17,678,180 gallons in June and 13,580,286 gallons in July, 1939. For the first seven months production was 121,775,038 gallons, compared with 86,391,524 gallons in the like period a year ago.

Price Changes

Advanced

None.

Reduced

Cyclohexane, 8c. per lb.
Cyclohexanol, 4c. per lb.
Methylcylohexane, 8c. per lb.
Methylcylohexanol, 4c. per lb.
Methylcyclohexanone, 18c. per lb.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compares as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.1	127.1	127.2	125.2

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—No further price change, offerings more than sufficient to cope with demand. July production 11,727,000 gallons, an increase of 6.1 percent over 11,052,000 produced in June and compared with 8,219,000 gallons in July, 1939. Output for first seven months totaled 73,813,000 gallons, against 51,786,000 gallons in like period a year ago.

Coaltar.—Routine shipments against contracts. Prices unchanged and firm.

Creosote Oil.—Interest continued moderate. Nothing new developed in the prices.

Cresols.—Fair interest for most grades. Pricewise no new developments occurred.

Cresylic Acid.—A steady to firm price tone prevailed. Takings were limited in most instances to nearby needs. Imports were not much of a factor.

Naphthalene.—Domestic crude contract prices will be extended for the fourth quarter. Shipments limited to regular channels.

Phenol.—A firm price tone characterized the trading. Dealings were steady to most major consuming channels. Moderate export inquiry.

Pitch-Coaltar.—Buying light. Market lacked any price change and a steady to firm tone prevailed.

Pyridin.—Shipments fairly steady. Prices fully retained their firmness.

Tar Acid Oils.—Not much interest was reported in this direction. Prices ruled unchanged.

Toluol.—Demand moderate. Export inquiry light. Prices without alteration.

Xylol.—No change was disclosed in the prices. Usual consumers made purchases to take care of nearby requirements.

Chicago Coaltar Bases

Continued easiness of tone is reported in the benzol market, as a feature of the general coaltar bases. Other materials mostly are holding their own without much difficulty. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 10c. to 10½c.; toluol, 27c.; 10-degree xylol, 29c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Solvents

Cyclohexane.—Price lowered 8c. to basis of 17c. per pound. Good inquiry and shipments steady.

Cyclohexanol.—Quotations reduced 4c. at 30c. per pound. Satisfactory demand.

Methylcyclohexane.—Prices cut 8c. at 17c. per pound. Withdrawals steady.

Methylcyclohexanol. — Material available at 30c. per pound, a reduction of 4c.

Methylcyclohexanone. — Price reduced 18c. at 58c. per pound. New price will be delivered to destinations East and West of the Rockies.

Coaltar Acids

Anthranilic.—Fair demand. Prices lacked any change.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Textile Chemists and Colorists, Oct. 18-19, New York.
Pest Control Association, Oct. 28-30, Indianapolis.

Benzoic.—Routine interest. Pricewise a firm tone prevailed.

Broenner's.—Shipments moved to regular channels for nearby needs. Prices without change.

Cleve's.—Commitments conservative. No change in the quotations.

Fumaric.—Market experienced moderate inquiry. Prices rule firm.

Gamma.—Moderate demand. Quotations unchanged and firm.

H.—Market strictly a routine affair. Prices continued firm.

Laurent's.—Usual consumers provided the call for nearby needs.

Maleic.—Shipments moderately active. No change disclosed in the prices.

Malic.—Buying lacked expansion, but tone of market held firm.

Picramic.—Firmness continued to characterize the trading with fair interest displayed.

Picric.—Market position satisfactory with buying moderate.

Salicylic.—Business fair. No change occurred in the quotations.

Succinic.—Takings were held to conservative quantities as a rule.

Sulphanilic.—Technical material received fair support. Prices the same.

Other Intermediates

Alphanaphthol.—Moderate quantities made up the bulk of the business. Prices held firm.

Anilin.—Shipments moved against contracts fairly steady. No change occurred in the quotations.

Anthracene.—A steady to firm price tone prevailed, with transactions steady.

Anthraquinone.—Withdrawals were made in line with current requirements, and market retained its firmness.

Benzaldehyde.—Business in technical was routine. Pricewise no change occurred.

Benzidin Base.—Prices unchanged and firm, with dealings moderately active.

Betanaphthol.—Spot and contract commitments fair. Prices rule firm.

—Continued on page 38

Lime Factor Studied In Caustic Soda Process

—Continued from page 4

of great importance in all methods of slaking.

It has been found that the size of hydrate particles or carbonate particles increases as the size of the quicklime particles decreases. This effect is more or less pronounced, according to the particular method of slaking employed. The findings of the authors are at variance with those of other investigators.

The effect of using excess water in the slaking process was also studied. The claim of other investigators that the use of the theoretical amount of water produces the fastest-settling hydrate or carbonate and that successive increases in the amount of water used caused successively finer hydrate or carbonate particles has been found to be in need of modification. Experimental data presented by the authors show that the use of the theoretical amount of water does not produce the fastest-settling hydrate or carbonate. Rather it was found that the fastest-settling hydrate or carbonate is obtained by using an excess over the theoretical amount which, according to the experiments of the authors, was twice the theoretical amount.

The results obtained by other investigators that the relative particle size of the hydrate persists throughout the causticizing stage has been found to be correct.

The authors found that the rate of reaction decreases with time of exposure of the quicklime before slaking, with an increase in the particle size of the quicklime, and with an increase in the concentration of sodium carbonate in the slaking water.

The results obtained by the authors are given in ninety-one curves. Eight photomicrographs showing particle size of the hydrate produced are given.

The most outstanding result of the investigation has been to show the effect of preliminary exposure of the lime to air and the remarkable agglomeration of small particles to larger size particles, giving rapid settling.

Books You Can Use

Chemical Industry Manual

Chemical Industries, 1940. By D. M. Newitt. Cloth; 443 pages, 8 by 11 inches. New York: Chemical Publishing Company. $4.

This annual volume consists of a directory and reference work to essential chemical facts and data. The book is divided into eight sections, each dealing with some particular phase of plant construction or manufacturing process. Thus the first section treats the various materials used in plant construction, their mechanical and chemical properties, and data regarding methods of working and resistance to corrosion.

Section II, devoted to power plants and water treatment, dicusses boilers, compressors, motors, dynamos, water filtration and softening and similar subjects. Subsequent sections comprehensively cover the fields of the chemical plant; the handling, conveying, and transport of materials; instruments and laboratory apparatus; raw materials and heavy chemicals; and fine chemicals. A compilation of mathematical and conversion tables, and a bibliography complete the volume.

Printing Anniversary Observed

The 500th anniversary of printing is commemorated in the August issue of *"Witcombings,"* monthly review of interesting industrial items published by Wishnick-Tumpeer, Inc. A section devoted to new ideas in production and maintenance is noteworthy. Copies of the publication may be obtained from Wishnick-Tumpeer, Inc., 295 Madison avenue, New York, on mention of the REPORTER.

U.S. Stoneware Marks Seventy-Fifth Year

The United States Stoneware Company this year is observing its seventy-fifth anniversary. Incorporated in 1865, the original factory of the company consisted of one small kiln producing simple items and employed three men. Today the company operates one of the most modern plants in the industry, which is located in Talmadge, Ohio, and manufactures a wide line of ceramic and corrosion-proof chemical equipment. Several of the workmen have been with the company for more than forty-eight years.

A new machine shop is being erected to house the machine manufacturing division for use in the fabrication and assembly of centrifugal acid pumps, exhausters, mixers, jar mills, etc. Another new plant is also in the course of construction to be used for the manufacture of tank lining materials. The New York office is located in the Lincoln building and Howard Farkas is sales manager.

Trade Briefs

Richfield Oil Company is building a $350,000 compressor plant near Bakersfield, Calif., to extract casing-head gasoline from natural gas.

Activated carbon is wanted by a firm in Stockholm, Sweden. The amount involved is ten tons. Information regarding this query is available at the Department of Commerce offices, by referring to trade opportunity No. 291.

W. Robert Melville, Buffalo manager of National Lead Company, has been appointed to the vocational service committee of the Rotary Club of Buffalo for the coming year. Mr. Melville has been active in helping to find employment for members of the Forty Plus Club of Buffalo.

• DEPENDABLE
• UNIFORM

KOPPERS

COAL TAR SOLVENTS

BENZOL—ALL GRADES
TOLUOL—INDUSTRIAL AND NITRATION
XYLOL—10° AND INDUSTRIAL
SOLVENT NAPHTHA—INCLUDING HIGH FLASH

Services of the Koppers Laboratories are always at your command

OTHER KOPPERS CHEMICALS and SOLVENTS

Phenol (82% and 90% Purity)...Cresol (U.S.P., Resin and Plasticizer Grades)...3° Meta Para Cresol...Cresylic Acid—(99%, pale, low-boiling—99%, pale, high-boiling)...Naphthalene Shingle Stain Oil...Refined Tars...Tar Acid Oils...Pitch Coke...Industrial Coal...Tar Pitches...Flotation Oils...Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials...Waterproofing and Dampproofing Materials...Tarmac Road Tar Materials...Bituminous-base Paints...Coal...Coke...Tanks and Tank Work...Removal and Recovery Systems...Gas Plants...Fast's Self-aligning Couplings...American Hammered Piston Rings...Pressure-treated Lumber

KOPPERS COMPANY · PITTSBURGH, PA.

Coaltar Chemicals

Other Intermediates

—*Continued from page* 37

Dimethylanilin.—Volume underwent little expansion, but market position held firm.

Dinitrobenzene.—Market lacked any price developments, while buying remained steady.

Dinitronaphthalene.—The tone of the market was steady to firm. Dealings failed to broaden.

Dinitrotoluene.—Market retained its favorable position, business usually limited to regular channels.

G. Salt.—Market remained a strictly routine affair. Prices ruled unchanged.

Metanitroparatoluidin.—Trading conservative. Market experienced no new price developments.

Nitrobenzene.—Business moderately active. Prices remained the same.

Orthoanisidin.—Usual consumers made purchases to take care of nearby requirements.

Orthochlorophenol.—Market underwent little change from previous weeks. Prices were firm.

Orthodichlorobenzene.—Shipments steady. Pricewise a firm tone prevailed.

Orthonitrotoluene.—Spot and contract commitments moderate. No change disclosed in the quotations.

Paranitroanilin.—Steady to firm price tone; buying routine.

Paranitrophenol.—Demand conservative. Prices without alteration.

Paranitrotoluene.—Market position firm. Business confined to regular channels.

Phthalic Anhydride.—Business continued at a favorable pace in most directions. Prices unchanged and firm.

Thiocarbanilide.—Prices held at previous levels, while interest was fairly steady.

Toluidin Base.—Steady to firm price tone prevailed. Business moderate.

Xylidin.—Transactions steady for nearby needs. Prices failed to change.

Coaltar Colors

The character of business in the market for various coaltar colors displayed relatively little change last week. Buying was fairly steady in most materials, but commitments were made on a conservative scale to take care of nearby needs. Export inquiries held at comparative good levels. Prices were without any fluctuation, and tone of market was steady to firm.

Phthalic Anhydride Cuts Chemical Costs

Discussing the oxidation of aromatic hydrocarbons, C. R. Downs, of Weiss & Downs, Inc., in a paper before the American Chemical Society's industrial and engineering division September 10, points out that toluene, naphthalene, and anthracene were for many years oxidized by chemical methods in the liquid phase respectively to benzoic acid, phthalic anhydride, and anthraquinone. Later it was found that they could be oxidized to these same products more cheaply by air at elevated temperatures in the vapor phase in contact with various solid catalysts. All three products, however, are now made from one raw material, namely, naphthalene, rather than from what offhand would appear to be their most logical sources. This result has been dictated by economic reasons which the chemical engineer must always recognize as being of more importance than the chemical reactions themselves, regardless of how intriguing the latter may appear from a strictly scientific standpoint. And so, in order to emphasize this point, it seems proper to trace the histories of these products and point out their economic effects.

All benzoic acid and anthraquinone and its derivatives now made in the United States are produced from phthalic anhydride, which in turn is made by the vapor-phase catalytic oxidation of naphthalene. In addition to these uses, phthalic anhydride is of great importance in its own right, especially in the synthesis of synthetic resins. It is estimated that the present production capacity of phthalic anhydride equipment in the United States is about 75,000,000 pounds a year. There is no potential shortage of domestic naphthalene for producing phthalic anhydride in much larger quantities than is indicated for future consumption. If the catalytic oxidation of naphthalene to phthalic anhydride were not known, phthalic anhydride could not occupy its present outstanding importance as an intermediate. By the old process using sulphuric acid to oxidize naphthalene, the present installed capacity would require an estimated annual consumption of 750,000 tons of 100 percent sulphuric acid. The cost of contact sulphuric acid plant for this purpose is estimated at close to $8,000,000, and the acid cost alone would probably amount to 25 percent of the present sales price of phthalic anhydride.

Insecticide Dispersants Appraised by D.of A.

OPD Washington Bureau
August 27, 1940

With the particular purpose of developing satisfactory stickers for phenothiazin and nicotine peat as insecticides the Bureau of Entomology and Plant Quarantine has conducted a series of laboratory studies to determine the minimum quantities of various common dispersing agents necessary to produce stable suspensions of a number of insecticidal agents. The investigation comprised animal, chemical (synthetic), mineral, and vegetable products used as dispersants with a variety of materials commonly used as insecticides.

Gum arabic was found to be the best all-around agent. Four of the fourteen substances studied dispersed all the insecticides used. Some agents, especially those of animal origin, were found to have excellent dispersing properties but to be handicapped by tendencies to decompose.

A comprehensive report of the investigation has been published by the Department of Agriculture as circular No. 568. Copies may be procured at 5 cents each from the Superintendent of Documents, Government Printing Office, Washington.

Greece Needs Chemicals

Greece requires supplies of trotyl, 80.4°; tetryl; diphenylamine; centralite (dimethyl-diphenyl-urea); glycerin; acetone; dinitrotoluol; oleum and benzol.

Information on these requirements may be obtained by writing the Department of Commerce, Trade Opportunity No. 284.

Crude Naphthalene Contract Prices Renewed by Barrett

The Barrett Company, this city, has announced that current contract quotations for industrial crude naphthalene have been extended to cover fourth quarter shipments.

U.S. Revenue Returns Show Increase in July

Collection of excise taxes by the Bureau of Internal Revenue, Washington, for July, 1940, compared with July, 1939, as follows:—

Taxes Collected

	July— 1940.	1939.
Coconut, etc., oils processed.	$1,452,751.36	$2,173,778.54
Distilled spirits, domestic, excise tax $2.25 per gallon.....	28,537,619.92	16,179,526.68
Distilled spirits, imported, excise tax $2.25 per gallon.....	2,220,723.91	1,392,472.28
Gasoline	17,595,718.33	20,881,765.88
Lubricating oils.	2,272,006.62	2,798,133.41
Matches	4.32	137.22
Narcotics, including special taxes	154,433.14	133,384.84
Oleomargarin, excise taxes...	59,690.16	50,989.76
Oleomargarin, special taxes..	633,801.27	636,940.17
Toilet preparations	382,788.52	678,024.19
Transportation of oil by pipeline..	1,690,853.55	942,360.61
Total internal revenue	$383,836,262.23	$300,090,746.40

Quantities Taxed

	1940.	1939.
Distilled spirits, domestic, tax gallons	9,589,301	7,366,215
Distilled spirits, imported, tax gallons	778,118	663,085
Distilled spirits, rectified, proof gallons	3,506,293	2,100,197
Oleomargarin, colored, pounds	25,432	10,822
Oleomargarin, uncolored	22,775,264	19,905,764

Trade Briefs

Standard Agricultural Chemicals, Inc., has been recorded in Los Angeles county, showing a capital of $400,000 and address as 1300 Adam street, Hoboken, N. J.

U. S. Vanadium Corporation, an affiliate of the Union Carbide & Carbon Corporation, has increased its authorized capital from $4,000,000 to $7,000,000.

W. C. Doscher, of the New York office of the Werner G. Smith Company, refiner of oils and greases, Cleveland, will return September 3 from an extended vacation.

Leslie M. Brown, manager of the agricultural division of the National Oil Products Company, Harrison, N. J., will play in the fifth annual Park Club invitation golf tournament over the Labor Day weekend at Buffalo, N. Y.

REPUBLIC CRUDE NAPHTHALENE

REPUBLIC STEEL REG. U. S. PAT. OFF.

ALSO

BENZOLS 1°—2°—90% - Motor

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XYLOLS 3°—5°—10°—Commercial

SOLVENT NAPHTHA • AMMONIUM SULPHATE

Specify Niles Steel Containers for your Packaged Items

REPUBLIC STEEL CORPORATION

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J & L LIGHT OIL DISTILLATES

Commercially Pure Benzol
90% Benzol • CXP Benzol
XYLOLS (Solvent Naphtha)
Reagent Benzol • Pure Toluol
Sulphate of Ammonia

JONES & LAUGHLIN STEEL CORPORATION
PITTSBURGH, PENNSYLVANIA

NEVILLE 2-50-W HI-FLASH NAPHTHA

Preferred in coatings because of
- Uniformly high solvent strength
- Milder, more agreeable odor
- Higher flash point
- Freedom from gummy residue
- More even evaporation rate

Guaranteeing these results
- Increased safety in manufacture
- Superior leveling and better adhesion
- Fewer complaints caused by separation of vehicle solids at low temperatures

B-4

THE NEVILLE COMPANY
PITTSBURGH • PA.

Paint, Varnish, Lacquer Materials

Proposed N. Y. Trucking Strike Causes Heavier Paint Shipments —Painters' Strike Will Retard Fall Painting Season —Dry Colors Active — Naval Stores Quieter

A painters' strike and a threatened walkout of truck drivers caused conflicting reactions in the New York market for paint products last week. The painters' strike, although both sides feel that a settlement is near, will undoubtedly retard the usual Fall painting season. For this reason buying was uncertain during the period and markets for paint materials were a bit unsettled. The proposed truckmen's strike prompted much heavier shipments during the period, as suppliers advised consumers to stock heavily in order to be covered.

Dry colors were in active call with carbon black getting special interest from Akron tire makers. Demand for mercuric oxides and quicksilver vermilion was much better. The fact that quicksilver shows no easing tendencies, coupled with the fact that consumers' suppliers of the mercury colors must be low because of previous light buying, made for a heavier demand last week. The market for casein was quiet but low stocks caused a firm price to be maintained. Business in rosin and turpentine in local and Southern markets was quieter, consumers being disposed in many cases to limit their purchases to small quantities pending further developments. Price movements were narrow.

Price Changes

Advanced

Rosin, gum, low, high grades, 1c. to 4c. per 100 lbs.
Turpentine, s.d., 1c. per gal.
Turpentine, gum, 1c. per gal.

Reduced

Rosin, gum, med. grades, 1c. to 5c. per 100 lbs.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.2	126.2	126.2	131.2

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Lead buying was not especially active last week but enough metal went into the hands of consumers to hold the price to a very firm level. Most sales were for September delivery, although future buying for October delivery was fairly active. Slab zinc markets were also somewhat slow during the period. Similar to lead, however, the price was firm. The zinc industry was becoming somewhat alarmed over the large amount of the metal being imported into the United States. Imports amounted to 75,571 tons in the first seven months this year, against only 9,370 in the similar period of 1939. Because of the war these imports have not influenced prices, but a return to a peace-time basis would cause serious price dislocations. Imports were principally from Mexico and Canada, reflecting reciprocal trade agreements.

Lead. — Prevailing spot prices at New York, East St. Louis and London for the period from August 24 to August 30, inclusive, were as follows:—

	Pigs			
	Per pound		Spot. London. Per ton	
	New York.	E. St. Louis.	£	s. d.
Saturday	$0.0490@.0495	$0.0475	..*	.. ..
Monday	.0490@.0495	.0475	..	.. ..
Tuesday	.0490@.0495	.0475	..	.. ..
Wedn'sd'y	.0490@.0495	.0475	..	.. ..
Thursday	.0490@.0495	.0475	..	.. ..
Friday	.0490@.0495	.0475	..	.. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from August 24 to August 30, inclusive, were as follows:—

	Slabs			
	Per pound		Spot. London. Per ton	
	New York.	E. St. Louis.	£	s. d.
Saturday	$0.0690	$0.0650	..*	.. ..
Monday	.0690	.0650	..	.. ..
Tuesday	.0690	.0650	..	.. ..
Wednesday	.0690	.0650	..	.. ..
Thursday	.0690	.0650	..	.. ..
Friday	.0690	.0650	..	.. ..

* London exchange closed.

Pigments

Antimony White.—Price nominal. Trade routine.

Litharge.—Shipments at good level. Price firm.

Lithopone.—Withdrawals heavy. Inquiry better. Price firm and unchanged.

Orange Mineral.—Demand for shipment good. Price steady.

Red Lead.—Advance two weeks ago failed to discourage buying. Shipments good. Inquiry better. Prices steady and unchanged.

Titanium Pigments.—Movement of stocks into consumption heavy. Shipping volume large. Prices steady and unchanged.

White Lead.—New business conservative. Call for delivery against previously-made contracts strong. Price firm. New government specifications for dry and paste basic carbonate white lead (TT-W-251A) will become effective November 15; copies are 5 cents each at the government printing office.

Zinc Oxides.—Spot demand active. Future buying good. Shipments large and regular. Prices firm and unchanged.

Fillers and Extenders

Asbestos.—New business light. Price steady.

Asphaltum.—Routine demand. Shipments slightly heavier. Prices firm.

Barytes.—Normal business reported. Prices steady and unchanged.

Blanc Fixe.—Nothing of new interest since last reviewed. Market movement normal. Prices firm and unaltered.

Charcoal.—Softwood material moving satisfactorily. Prices steady.

China Clay.—Routine business. Seasonal movement. Price steady.

Graphite. — Contract withdrawals normal and seasonal. New business market inactive. Inquiry better. Price steady and unchanged.

Gypsum.—Routine and firm.

Talc.—Fair call for material reported. Larger volume shipped into consumption. Prices firm.

Whiting.—Seasonal movement of stocks reported. Price unchanged.

Dry Colors

Carbon Black.—Rubber tire manu-

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Production Clubs, Oct. 28-30, Washington.
Paint, Varnish and Lacquer, Oct. 30-Nov. 1, Washington.

Roll in the Barrels
of
PARADURA 540
an outstanding heat-hardening 100% pure phenolic.
PARANOL 54-E
an extremely hard, modified phenolic, very pale and soluble in mineral spirits.
PARANOL 1650
a low-priced modified-maleic resin, pale and hard.
and Roll out Better Finishes

PARAMET SYNTHETIC RESINS

SAMPLES AND DETAILS AWAIT YOUR REQUEST.

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MANUFACTURERS OF SYNTHETIC RESINS
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R.W. Greeff & Co. Inc. RWG New York, U.S.A.

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METHYL ISOBUTYL KETONE
Now available in tank car quantities

Selling Agents for
SHELL CHEMICAL COMPANY

R.W. GREEFF & CO.
10 ROCKEFELLER PLAZA, NEW YORK CITY

facturers buying actively. Consumers replenishing supplies and covering for near future needs. Price steady and unchanged.

Carmine No. 40.—Better movement into consumption reported. Price firm.

Iron Blues.—Buying interest continued to improve. Heavier demand for shipments on previous contracts. Prices steady and firm.

Lampblack. — Routine and firm. New government specifications for dry and paste lampblack (TT-L-71) will become effective November 15; copies are 5 cents each at the government printing office.

Mercuric Oxides.—Consumers showing more interest in offerings. Need to replenish buyers' stocks seen. Shipments heavier. Inquiry at better level. Prices firm and unchanged.

Ocher.—Demand fairly good. Shipments heavier. Price steady and unchanged.

Sienna.—Firm tone reported. Call for deliveries more insistent.

Umber.—Beginning of pick-up in business seen. Inquiries more numerous for future buying. Price steady.

Vermilion.—Consumers more interested in offerings. Tendency to hold off from buying halted by need for replenishing stocks. Prices firm and unchanged.

Driers

Stearates and palmitates were moving on contract at a good rate last week. Interest in new business was small. Shipments were regular and in fair volume. Future buying was more active. Prices were firm and unchanged.

Naval Stores

Quieter conditions prevailed in Southern and local markets for rosin and turpentine last week so far as new business was concerned. According to some reports the movement into consuming channels held up well for this period of the year but consumers were apparently disposed in not a few cases to hold off for a time so far as the placing of new contracts was concerned. The slowing down of trade was attributed by some to the recent advance in prices, the upward movement of values, especially in the case of rosin, seemingly being considered too marked. There was no increase in offerings, however, the government remaining out of the markets of the South as a seller of both rosin and turpentine, while supplies in the hands of dealers appeared to have diminished so far as spot holdings were concerned. The movement of

U.S. Naval Stores Exports

Exports of naval stores from the United States during the first seven months of 1939 and 1940 were:—

	1939.	1940.
Gum rosin, 500 lb. bbl..	294,578	248,165
Wood rosin, 500 lb. bbl.	174,240	200,842
Gum spirits of turpentine, gal.....	4,950,582	3,237,853
Wood turpentine, gal..	1,237,652	1,317,300
Pine oil, gal.....	909,246	1,181,650
Tar and pitch of wood, lb.	8,418,260	21,218,713

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Turpentine.—The local market had a steady tone last week, price changes being narrow. There was no broadening of trade, consumers apparently being interested as a rule merely in comparatively small quantities for prompt shipment.

SAVANNAH, Aug. 24.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
*Saturday..	...	...	...	...	.....
Monday ...	23¼	4,700	224	12	15,478
Tuesday ...	23½	2,500	260	278	15,460
Wednesday.	23¾	3,850	357	66	15,751
Thursday...	24	1,800	106	...	15,857
Friday.....	24½	1,150	448	174	16,431

* No trading.

JACKSONVILLE, Aug. 28.—Turpentine receipts 650 barrels; shipments 757; stock 28,761.

PENSACOLA, Aug. 24.—Turpentine receipts 428 barrels; shipments 249; stock 11,192.

Markets at Other Centers

Chicago—Aug. 30

Turpentine remained slow. Five-drum lots, 36c. per gallon; five wood barrels, 41c.; single drums, 39c.; single barrels, 44c.

LONDON, Aug. 30.—Turpentine, 53s. per 112 pounds.

Rosin.—Price movements in the local market were narrower last week in company with developments in the South where business was reported as quieter. Purchasing here was generally limited to comparatively small quantities.

SAVANNAH, Aug. 30.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B		$1.15	$1.15	$1.15	$1.15	$1.15
D		1.33	1.33	1.33	1.33	1.34
E		1.49	1.49	1.50	1.50	1.51
F		1.72	1.72	1.73	1.73	1.73
G		1.79	1.79	1.79	1.79	1.76
H		1.79	1.79	1.79	1.79	1.76
I		1.79	1.79	1.79	1.79	1.76
K		1.79	1.79	1.79	1.79	1.76
M		1.83	1.83	1.83	1.83	1.80
N		1.98	1.98	1.99	1.99	1.96
WG		2.27	2.27	2.28	2.28	2.25
WW		2.43	2.43	2.44	2.44	2.44
X		2.43	2.43	2.44	2.44	2.44
	Barrels				
Sales.... ...		142	51	258	...	561
Receipts. ...		1,021	695	789	808	666
Shipments ...		2,593	220	780	40	1,599
Stocks... ...		...	...	...	...	162,362

* No trading.

JACKSONVILLE, Aug. 28.—Rosin receipts 2,894 barrels; shipments 1,685; stock 312,883.

PENSACOLA, Aug. 24.—Rosin receipts 1,354 barrels; shipments 1,059; stock 48,154.

Markets at Other Centers

Chicago—Aug. 30

Rosin quiet and steady. B grade, $2.45 per hundred pounds net; G grade, $3.08; M grade, $3.12; W.W. grade, $3.68.

LONDON, Aug. 30.—Rosin, W.W., 32s. 6d. per cwt.

Other Naval Stores

Pine Oil.—Steady movement of moderate quantities to local and outside consumers.

Pitch.—Tone firm. Increased request for moderate lots for prompt shipment.

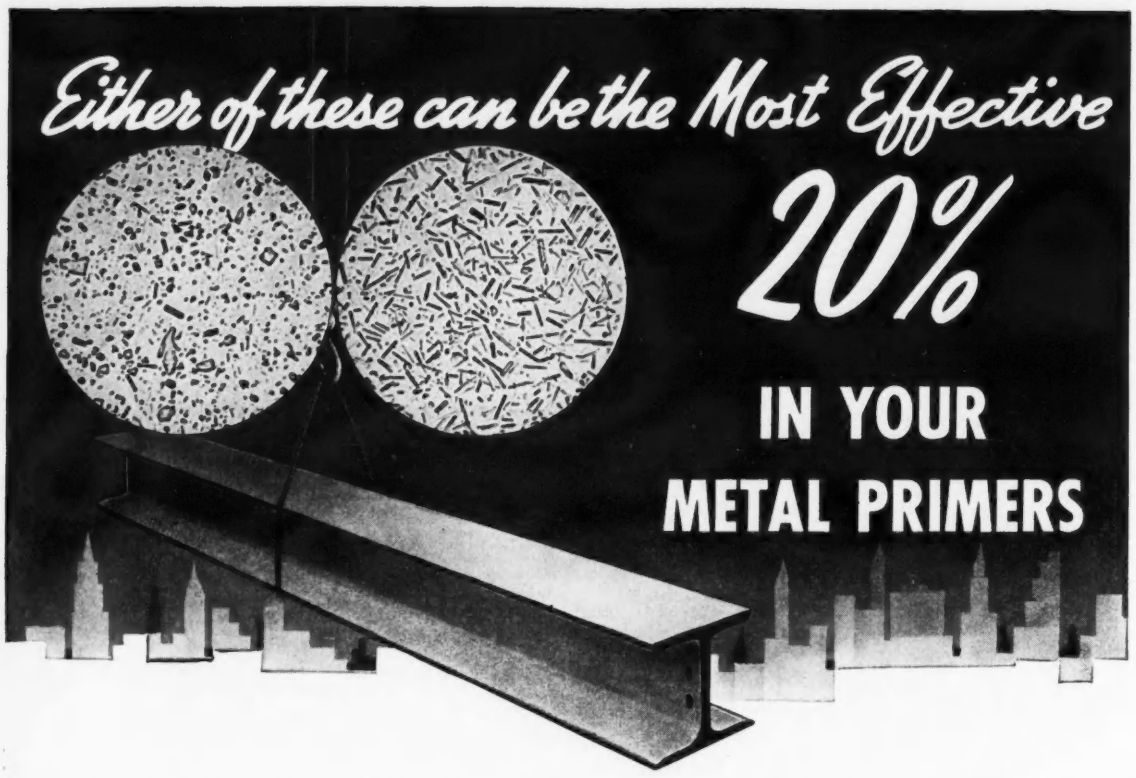
Rosin Oil.—Consumers purchasing for current needs only. Market firm.

Tar.—Quotations maintained at former levels. Tone steady. Business better.

Lacquer Materials

Buying continued at satisfactory levels in the market for most lacquer materials and solvents last week. Shipments in the spot market and against contracts were generally moderate. The outlook for the near future remained cheerful. Automotive operations were gradually expanding for one thing, while other important consumers were expected to resume operations on a larger scale. Prices were without change. Statistics, released by the Department of Commerce, from reporting cellulose plastic plants for month of July show production of nitrocellulose sheets, rods and tubes, totaled 899,123 pounds; shipments 954,854 pounds, against 978,734 and 846,827 pounds, respectively in the like month a year ago. For the first seven months output aggregated 6,666,093 pounds; shipments 6,503,534 pounds, compared with production of 8,375,757 and shipments of 6,841,320 pounds in the corresponding period last year.

Acetone.—Business steady. Market position favorable. Prices lacked any change, with tone steady to firm.



Any shop coat or primer—no matter how high it rates as an inhibitive coating—needs *weather resistance* to withstand yard storage and erection conditions, which frequently extend one year or more.

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Alcohol, Butyl.—No new price developments were uncovered. Shipments of normal and secondary moved against contracts moderately.

Alcohol Isobutyl.—Fair interest was reported. Pricewise there was nothing new to report.

Butyl Acetate.—Buying remained at satisfactory levels in most directions. Pricewise no change occurred.

Cellulose Acetate.—Moderate activity. Prices were the same, and a steady to firm tone predominated.

Dibutyl Phthalate.—Dealings were routine. Prices were in line with those established previously.

Dichlorethyl Ether.—Movement was regarded as satisfactory in most directions. Quotations ruled unchanged.

Ethyl Acetate.—Buying for replacements remained at favorable levels. Prices in conformity with those prevailing previously.

Ethyleneglycol.—Demand moderate, outlook favorable. Prices unchanged and firm.

Isopropyl Acetate.—Fair size commitments were made in the market. No change disclosed in the prices.

Tricresyl Phosphate.—Business fairly steady. Market position remained firm, and quotations were well sustained.

Triphenyl Phosphate.—Commitments were not very broad, but sufficient interest was displayed to keep market in satisfactory position.

Shellac

Shellac was a steady commodity throughout the past week. Neither buying in Calcutta nor purchases on the spot varied much from the activity current in the market in the past fortnight or two. In the main it was a spot market of firm undertone that fully reflected a similar condition of affairs in the primary market. Shipments against contracts have gained some; buyers in some instances showed greater inclination to accept tenders when made. On the whole, conditions were satisfactory.

New government specifications for shellac varnish (TT-V-91A) will become effective November 15; copies are 5 cents each at the government printing office.

Bronze Powders

Aluminum powders and paste were moving more actively during the period under review. Shipments were heavier and more regular. Inquiries for future delivery were more numerous. Prices were firm and unchanged.

Varnish Gums

More future buying was reported in the market for natural gums, an indication of the pick-up in business that is expected about the middle of September. The spot market was fairly quiet both here and at primary centers. All prices were firm and unchanged.

Synthetic Resins

Contract deliveries of ester gums showed a bit more activity. A further pick-up is expected in the near future. Prices were steady and unchanged. Other resins were moving in satisfactory manner.

Glues and Binders

Casein. — Domestic demand was seasonally slow. Stocks in producers' hands were not large and very firm prices were reported. Argentine material was not moving actively.

Glues.—Hide and bone glue materials were in fair demand. A further pick-up is looked for. Prices were steady and unchanged.

Ferro Enamel Corp. Plans To Double Production

Cleveland, Aug. 28, 1940

The Ferro Enamel Corporation will build an addition to its plant here that will enable it to double output of its colors that are used in porcelain enamel, pottery glazes, glass, inks, plastics and synthetic finishes. The company's industrial oven division has been expanded so as to offer the general industrial market a complete line of ovens and finish-production equipment.

Pittsburgh paint up campaign resulted in a consumption of 273,075 gallons of paint and varnish.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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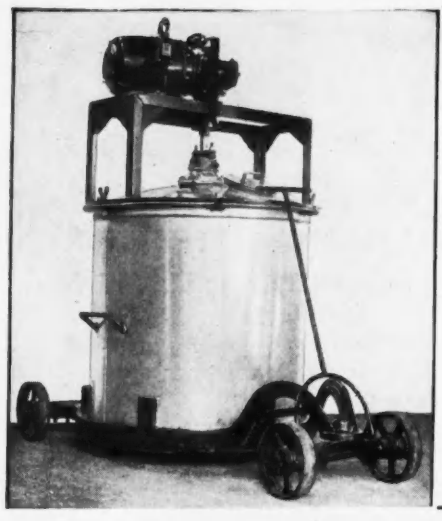
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Inert Materials Role in Paints

—Continued from page 5

For several years the paint industry has heard much about high dry-hiding-power pigments and flats. In the case of a flat wall paint this means a product which, as it dries and flats, acquires a substantially higher hiding power than it possesses in the wet state. Special white pigments which impart this property to flat paints are available. In an article presented before the Northwestern Paint and Varnish Production Club March 1, 1940, A. E. Jacobsen and J. G. Lundgren point out that some extenders contribute more than others to the development of high dry hiding power in flat paints. In one formula the substitution of a very high oil-absorption whiting for a whiting having normal oil absorption effected a 41 percent increase in the hiding obtained with 1 pound of white pigment. At first glance this result seems to hold out promise of substantial saving in the formulation of flat wall paints. However, the substitution of extenders of the same type having higher oil absorption without increase of the amount of nonvolatile vehicle means a flatter paint and one that is inferior in "hold out" and washability. High dry hiding is caused by insufficient free binder in the paint which unavoidably leads to poor "hold out" and poor washability. By free binder is meant the excess over that required to satisfy the oil absorption of the pigments.

If it were necessary to designate one type of paint product as the one in which extenders are the most essential from a technical standpoint it would be wood fillers. Next, in order, would come metal surfacers and enamel undercoats. Time does not permit discussion of all these materials and the remainder of this paper will be devoted to enamel undercoats.

Enamel Undercoats

The primary functions of extenders in enamel undercoats are to regulate sanding, sealing, flowing, and pigment suspension. They also serve other objects, which vary in importance with the use of the undercoat.

A large number of extenders find advantageous use in undercoats for various purposes. Among these are barytes, fibrous talc, natural and precipitated whiting, "Surfex," extremely fine quartz silica, diatomaceous silica, and "Metro-Nite." To determine a good combination of extenders for an undercoat designed for a particular purpose may prove to be no small job. The choice will be influenced by the requirements of the undercoat, the hiding pigments employed, the kind of vehicle, and possible use of metallic soap. All that can be attempted here is to list the more important extenders and comment briefly on the properties which they contribute.

Barytes, with its very low oil absorption, favors a dense, nonporous film and fair sanding properties. It has some tendency to settle and its cost of approximately 75 cents per gallon is high for an extender. Blanc fixe is not considered here because of a cost of about $1.30 per gallon.

Fibrous talc is recommended by a cost of approximately 25 cents a gallon. It is useful in reducing flowing and sagging and in improving pigment suspension. It rates fair in sanding and "hold out" qualities.

Whiting has about the same cost per gallon as fibrous talc, good flow, and smooth texture. Sanding properties are rather poor, with a tendency to clog the paper. "Surfex" is similar to whiting except that it possesses outstanding "hold out" and costs about 55 cents per gallon. The poor sanding of whiting and "Surfex" suggests their use in combination with other extenders that will overcome this deficiency, such as diatomaceous silica or fine quartz silica.

The ordinary grades of quartz silica are not considered advantageous in undercoats because of coarseness and settling. Certain especially fine grades of quartz silica may be useful in combination with other extenders to improve "tooth" and sanding properties. Diatomaceous silica is even more effective than quartz silica in imparting tooth and overcoming a tendency for the softer extenders to clog sandpaper.

"Metro-Nite" is considered in the class with whiting, but superior to whiting in hardness and sanding properties.

The author is aware that this paper is sketchy and is open to criticism on grounds of scientific accuracy. It may at least help to establish the fact that extenders serve useful and important technical functions in paints, wholly apart from the question of cost.

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Dyestuffs
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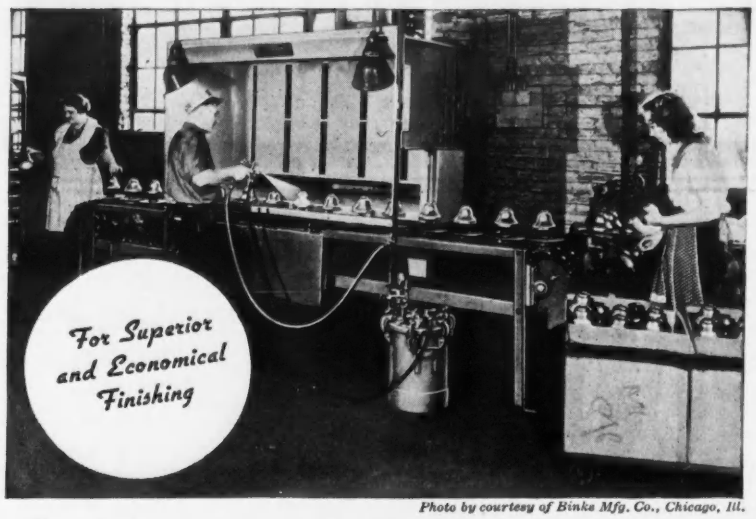

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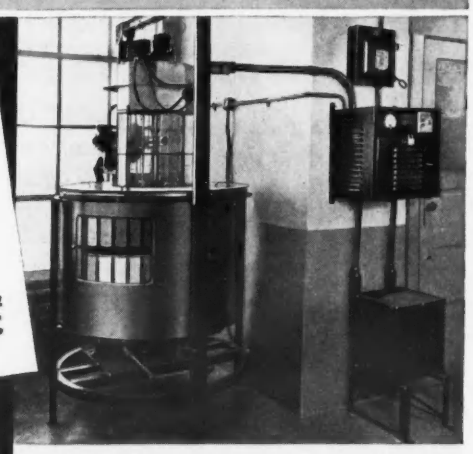

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Oils, Fats, and Waxes

Cottonseed Oil and Lard Futures Again In Upward Trend —Soybeans Higher and Oil Firmer — Linseed Oil Reduced By Crushers—Animal Oils Lower—Carnauba Wax Up

There were fewer changes in quotations on miscellaneous oils, fats and greases last week, such as were noted being about evenly divided between advances and reductions. Taking the market as a whole, the tone appeared to have undergone improvement. The change in the situation in this respect was apparently due in the main to a further advance in cottonseed oil and lard futures, developments in the markets for these commodities having a tendency to stimulate buying interest to some extent in other oils and fats. Many consumers were still disposed to purchase merely for current needs, as usual at this period of the year, but orders for small or moderate quantities of various products were received rather more numerously.

Chinawood Oil

A firm tone continued to prevail in the local market for chinawood oil. Frequent inquiries were reported in some quarters but there was no increase in offerings on spot or for arrival from abroad and no transactions of importance were noted. Quotations were stationary. So far as spot oil was concerned there appeared to be little available among independent importers. Los Angeles reported the arrival of 25,850 pounds from Shanghai.

Vegetable Oils

Castor, Dehydrated. — Quotations maintained. Market tone steady. Trade fairly active.

Coconut.—Crude quiet and tone easy. Refined unchanged. Fair inquiry.

Corn. — Crude offerings lighter. Somewhat better inquiry. Refined in fair demand.

Cottonseed.—Edible oil quotations stationary. Tone steady. Trade fairly active.

Oiticica.—Better inquiry noted. Offerings remained light. Market steady.

Olive.—Quotations generally nominal. Offerings light. Good inquiry for denatured.

Peanut.—Crude offerings continued small. Better inquiry for refined.

Perilla.—Fair inquiry. Price movements narrow. Tone steady.

Rapeseed.—Quotations maintained. Trade quiet. Stocks limited.

Soybean.—Tone steadier with beans. Business more active. Higher prices quoted for old crop by some sellers. Upturn in beans attributed to rumors of government loan to growers.

Teaseed.—In light supply. Quotations nominal. Fair inquiry.

Markets at Other Centers

San Francisco, Aug. 28.—Vegetable oils quiet. Ruling prices are:—

COCONUT. — Business said to have been effected at 2½c. Copra 1.40c., nominal.

CHINAWOOD. — Steady to stronger. Hongkong offerings very light. Business reported contracted on basis of 25c. per pound in tankcars, f.o.b. San Francisco.

OITICICA.—Raw, liquid oil 19½c. per pound in drums, f.o.b. San Francisco.

COTTONSEED. — Domestic bleachable oil 6c. per pound in tankcars, f.o.b. northern California mills.

PERILLA.—Quoted at 16¼c. per pound in tankcars, duty paid, f.o.b. San Francisco. Business quiet.

RAPESEED.—New offerings of Japanese rapeseed oil made their appearance in the market last week, although business quiet. Japanese oil quoted at 8¼c. per pound in tankcars, duty paid, f.o.b. San Francisco.

Chicago, Aug. 30.—Easing price tendencies are still noted in the general vegetable oil market. Buyers remain backward.

COCONUT. — Crude, Pacific Coast, August-forward, 2¼c. per pound. Refined, edible oil, 7½c. to 8c. per pound, drums, car lots.

CORN.—Crude, low acid, 5c. to 5¼c. per pound. Refined, edible oil, 7¾c. to 8¼c. per pound, drums, car lots.

SOYBEAN.—Crude, 4⅛c. to 4¼c. per pound.

The market for soybeans on the Chicago Board of Trade was more active and firmer. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing Aug. 30.	Closing Aug. 23.
Cash	83½	82	..	..
October	75½	68¾	72¼	67½
December	75⅞	69¼	72½	68

Linseed Oil

Flaxseed prices irregular. Linseed oil easier. Cake and meal quiet.

Flaxseed—DULUTH, Aug. 30.—Heavier receipts of new flax had effect, but demand remains steady as only a small percentage of the arrivals is for sale, the balance either applying on previous sales or else being stored for better prices. The week's closing price range was as follows:—

	Cash.	Sept.
Saturday	$1.45	$1.42
Monday	1.48	1.44½
Tuesday	1.49½	1.46¾
Wednesday	1.54	1.50
Thursday	1.52	1.49
Friday	1.60	1.56½

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	1,561,715	577,987	96,963	90,211
Since Aug. 1	2,069,552	790,747	145,339	90,211

MINNEAPOLIS, Aug. 30.—Cash flax receipts surpassed the average this week last year. Although crushers were encountering some difficulty in handling the pressure they did not falter in their buying of fresh arrivals and apparently were more than willing to buy arrive offers at the same prices they paid for spot. It was reported that during one 24-hour period crushers bought a half million bushels to arrive.

At the moment pressure is much smaller due to unfavorable weather in Minnesota, Iowa and Wisconsin. Over Tuesday night arrive purchases proved extremely light, total being around 1,000 bushels. This is expected to continue until rains cease and farmers are able to renew their threshing, which was virtually shut off last Friday and Saturday.

To date the amount of high moisture flax received as compared with the total has been surprisingly small but crushers expect more rapid deterioration in quality from now on. Today's receipts showed more high moisture offers. Quality so far has been good on the average, though movement of northern quality cut it down some.

The week's closing price range was as follows:—

	Cash.	Sept.	Dec.
Saturday	$1.45	$1.41	$1.43½
Monday	1.45	1.44	1.45½
Tuesday	1.46½	1.45½	1.48
Wednesday	1.51	1.50	1.52
Thursday	1.49	1.48	1.49
Friday	1.57	1.56	1.57

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	2,860,200	2,898,000	351,400	128,800
Since Sept. 1	11,855,200	9,700,741	3,406,100	1,055,220

WINNIPEG, Aug. 30.—The week's closing flaxseed price range was as follows:—

	Cash.	Oct.	Dec.
Saturday	$1.33	$1.33½	$1.31¾
Monday	1.33¼	1.33¾	1.32
Tuesday	1.33¼	1.33¾	1.33½
Wednesday	1.33	1.33½	1.32½
Thursday	1.33	1.33½	1.32½
Friday	1.34	1.34½	1.32½

BUENOS AIRES, Aug. 30.—Opening prices per bushel on September contracts were:—

	Last week.	Last Year.
Saturday	$0.80¼	$1.04⅝
Monday	.80	1.02⅝
Tuesday	.78⅝	1.05⅝
Wednesday	.78½	*
Thursday	.80	1.06¼
Friday	*	1.05⅞

* Holiday.

Exports

To—	Last week.	Previous week.	Last year.
United States			
United Kingdom			354,000
Continent			370,000
Orders			315,000
Others	†256,000	55,000	
Totals	256,000	55,000	1,039,000

† To Japan.

Since January 1

To—	This year.	Last year.
United States	8,668,000	11,145,000
United Kingdom	5,837,000	1,012,000
Continent	11,856,000	18,765,000
Orders	606,000	7,558,000
Others	983,000	2,465,000
Totals	27,950,000	40,945,000

Visible Supply

	Bushels.
Last week	5,512,000
Previous week	5,512,000
Last year	3,937,000

HULL, Aug. 30.—La Plata flaxseed quoted at £15 per long ton; Bombay £17⅜.

Linseed Oil.—Business in linseed oil continued quiet in the local market and quotations were shaded to the basis of 7.8c. to 8c. per pound in tankcars, with the tone of the market ap-

Price Changes

Advanced

Beeswax, crude, African, 1½c. per lb.
Brazilian, 2c. per lb.
Carnauba wax, No. 3 chalky, 5c. per lb.
No. 3 North Country, 5c. per lb.
No. 1 yellow, 8c. per lb.
No. 2 yellow, 8c. per lb.
refined, 6c. per lb.
Cottonseed oil, crude, ⅛c. per lb.
Lard, 25c. to 50c. per 100 lbs.
Soybean oil, ¼c. per lb.

Reduced

Lard oil, ¼c. to ½c. per lb.
Linseed oil, 1-10c. per lb.
Neatsfoot oil, ½c. to 1c. per lb.
Tallow oil, ½c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
94.2	94.2	100.2	95.1

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)

RUBY OLEINE BRAND (*distilled*)
STAR BRAND
(*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)

PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
220 East 42nd St., New York City
Branches and stocks in all large cities

EMERY
America's largest producers of
STEARIC and OLEIC ACIDS
All Grades Saponified and Distilled
FATTY ACIDS • GLYCERINE • PITCH
SPECIAL FATTY ACID DERIVATIVES
Since 1840
EMERY INDUSTRIES, INC.
Originators of Twitchell Process
New York CINCINNATI, OHIO Lowell, Mass.
Stocks in all Principal Cities

"Before You Buy— Ask Wecoline"

Distilled Vegetable Fatty Acids
You will find that Wecoline's *different* refining and distilling methods are doing big things for Fatty Acids.
For instance, they bring out an unsurpassed *clarity* and *purity* . . . *brilliancy* and *uniformity*, too. A great help to the production of the newer synthetics requiring Fatty Acids of Quality.
And you pay no price premium for the improved Wecoline quality.
Specifications—Samples Gladly Sent
COCONUT SOY BEAN
LINSEED TEASEED
OLIVE OIL COTTON SEED
SPECIAL FATTY ACIDS:
STEARIC LAURIC CAPRIC
CAPRYLIC WHITE OLEIC
MYRISTIC
WECOLINE Products, Inc. BOONTON, N.J.
Sales Offices NEW YORK . . . . . CHICAGO . . . . . BOSTON

WOBURN HIGH QUALITY FATTY ACIDS HAVE BEEN THE STANDARD FOR YEARS FOR THE MANUFACTURE OF ALKYDS OF ALL TYPES

(Linseed, Soybean, Perilla, Sunflower, Isoline, Cocoanut, Lauric, Helioline-D)

WOBURN FATTY ACIDS FOR SOAP MAKING LOWER THE COST AND IMPROVE THE QUALITY OF THE SOAP

(Cottonseed, Palm, Cocoanut, Olivine, Distoline, Helioline-D)

WOBURN DRYING OIL (DEHYDRATED CASTOR OIL) PRODUCES THE MOST DURABLE OF ALL FILMS AND FILMS WITH SUPERIOR COLOR RETENTIVE PROPERTIES

(Isoline)

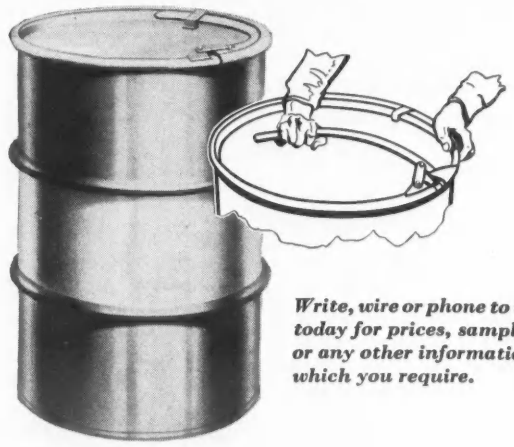
WOBURN DEGREASING COMPANY OF NEW JERSEY

Chemical Division HARRISON, N.J.

Rheem
REGISTERED TRADE MARK

Manufacturers of "Oil Type" and full removable cover "QUICK LOX" steel shipping drums *Protect-O-Lined* for safe and inexpensive shipping of—

Sulphonated Oils
and similar products



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105 Avenue L
Mitchell 2-8465

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Lafayette 1435

HOUSTON, TEXAS
1401 Lockwood Drive
Preston 3131

NEW ORLEANS, LA.
1115 So. Liberty Street
Raymond 7301

parently easy at the decline. There was a steady movement of oil to local and other consumers and dealers on contracts previously placed but many buyers were still inclined to hold off so far as the placing of new orders was concerned. Receipts of flaxseed in Northwestern markets continued liberal but the offerings were generally well absorbed by crushers and cash houses. Reports concerning the quality of the arrivals were less favorable, due mainly to recent heavy rains in section where harvesting was under way. Crop news from Argentina was also less favorable, the indications now pointing, it was reported, to a considerably smaller yield than was expected earlier in the season.

MINNEAPOLIS, Aug. 30.—Linseed oil trade is scattering and unimportant at the moment as buyers recently contracted freely for nearby requirements and now are waiting to see what effect the Argentine peg removal will have on the situation. In the meantime unless rains in the southern part of the flax belt cease immediately it will be necessary to reduce crop estimates. Even normal requirements call for a lot more buying of linseed oil and most in the trade expect that actual wants will be considerably above normal this year.

Quotations on carload lots f.o.b. Minneapolis, tankcars 7.6c. per pound, cooperage 8.2c. and warehouse lots 8.6c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week.....	4,000,000	2,880,000
Since Sept. 1.....	153,620,000	78,927,332

CHICAGO, Aug. 30.—Linseed oil is quiet. Tankcar, 7.6c. per pound; drums, car lots, 8.2c.; drums, less than car lots, 8.6c.

SAN FRANCISCO, Aug. 28.—Linseed oil quiet. Tanks 7.6c. per pound; drums, car lots, 8c. per pound, ex mill.

LONDON, Aug. 30.—Linseed oil, 44s. per cwt.

Cake and Meal.—Movement of meal reported lighter. Cake dull. Market steady.

MINNEAPOLIS, Aug. 30. — Linseed meal is simmering. Strength in soybean meal is a supporting factor. Crusher sales are without importance but resellers have reduced their holdings importantly of late as they were a bit worried over the sustained pasturage over a large part of the feeding area.

Quotations on carload lots f.o.b. Minneapolis, 100 lb. sacks, nominally $24 per ton.

Shipments of meal in pounds were as follows:—

	1940.	1939.
This week.....	4,420,000	4,440,000
Since Sept. 1.....	198,470,000	109,240,650

CHICAGO, Aug. 30.—Linseed meal is slow. Round lots, $24 per ton, mostly nominal;, car lots, $24 to $25; less than car lots, $26 to $28.

Cottonseed Oil

Local and Southern markets for cottonseed products were firmer. Southern offerings light.

Cottonseed Oil.—The trend of refined cottonseed oil futures was again mainly upward last week. Changes in prices were not very wide, but lard futures continued to display strength and offerings of cottonseed oil contracts were rather light much of the time, although there was more or less liquidation on advances. There was not much snap to the trading on the eve of the Labor Day holidays but commission house business showed some increase, purchases of the Winter months being noted for outside account. Trade interests were credited with takings of near positions. There was further liquidation of September, sales in some cases being replaced with purchases of December, January and March.

Southern markets for crude oil were firmer, prices in some sections being ⅛c. to ¼c. higher with offerings light. An upturn occurred in soybean oil, this being a reflection of an advance in soybeans in Chicago where sentiment was apparently influenced to some extent by rumors of a government loan to growers. Other vegetable products which compete with cottonseed oil were steadier. There were reports of a fair demand for cash refined cottonseed oil and trade in shortening was said to have shown improvement. The weight of the hogs received in Chicago during the week ended August 24 averaged 233 pounds against 229 pounds in the previous week and 226 pounds in the week before that.

The weekly government crop report stated that cotton made fair to good progress in most of the belt and condition varies from locally poor to generally fair to good. In Texas the crop is opening rapidly throughout the state and picking is making good progress.

Trading in bleachable prime Summer yellow cottonsed oil futures on the New York Produce Exchange from August 26 to August 30, inclusive, consisted of 783 contracts, a total of 46,980,000 pounds. Following is a price record for the week:—

	Cents per pound in t...		
	High.	Low.	Close.
January	5.97	5.80	5.97@5.98
March	6.05	5.79	6.05@6.06
September	5.85	5.55	5.85 sale
October	5.80	5.56	5.84@5.87
December	5.95	5.64	5.94@5.96

Crude, Southeast, .04¾c. nom.

Chicago, Aug. 30.—Cottonseed oil market showing signs of improvement. Refined, edible oil is 7¾c. to 8¼c. per pound, drums, car lots; and 8¼c. to 8¾c., drums, less than car lots.

Hull, Aug. 30.—Cottonseed oil, refined, 35s. 7½d. per 12 pounds; crude, Egyptian, 31s. 1½d.

Cake and Meal.—A steadier tone was reported in some parts of the South, although price changes were not marked. Offerings continued light. Meal more active.

Markets at Other Centers

Atlanta, Aug. 28.—Crude cottonseed oil, 4⅝c. to 4¾c. per pound. Meal, 8 percent, $28.50 per ton. Cotton yields in lower belt fair to good. Boll weevil damage increasing.

Memphis, Aug. 30.—Crude cottonseed oil trading practically at standstill this section. Today 4¾c. nominally quoted for old crop and nearby new crop. Meal scarce and firm on spot; $28.50 per ton quoted for immediate shipment, $24 for September and $23 for October, Memphis basis. Bulk cake $19.50 per ton for October, November, December shipment from Mississippi points. Old crop hulls cleaned up. Scattered sales of new crop hulls at $5 per ton, mill points. Weather showery. Cotton crop late. Most mills

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
Woolworth Building
New York, N. Y.
SPOT FUTURE

Stearic Acid Oleic Acid Fatty Acids
(RED OIL)
A. GROSS & CO., 122 East 42nd Street, New York
ESTABLISHED 1837 FACTORY, NEWARK, N. J.

THE BRODÉ CORPORATION
MEMPHIS, TENNESSEE

Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS
Members—Memphis Merchants Exchange (Futures in Cottonseed Meal)
New York Produce Exchange (Futures in Cottonseed Oil)
District Representatives
JAMES LOVATELLI & CO., 2 Broadway, New York City
Codes: Yopps, Robinsons, Bentleys, A. B. C., 5th Edition, Peerless

this section will not start crushing till last half September. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Aug. 22.	Aug. 20.
September	$22.30@22.65	$23.10@23.35
October	20.85@21.15	21.35@21.60
December	20.45@——	20.85@——
January	20.25@20.45	20.75@20.85

Fatty Acids

Castor Oil.—Steady movement of this fatty acid to local and other consumers. Quotations maintained.

Cottonseed Oil.—Consumers not inclined to anticipate, but better request for moderate lots. Tone steadier.

Lauric Acid.—Market steady. Increased inquiry noted for moderate quantities.

Red Oil.—Fair contract movement. New business quiet. Tone steady.

Stearic Acid. — Somewhat larger movement on contracts and transient orders. Market steady.

Chicago—Aug. 30

Fatty acids quiet and a little easy.

RED OIL.—Distilled or saponified, 6¼c. to 7¼c. per pound.

STEARIC ACID.—Distilled, single press, 8½c. to 9½c. per pound; double press, 9c. to 10c.; triple press, 11¾c. to 12¾c.

OTHER FATTY ACIDS. — Corn oil, double distilled, 8¼c. to 8½c. per pound, tankcar; 8¾c. to 9c., drums, car lots; coconut oil, acidulated, 9¼c. to 9½c. per pound, tankcar, mostly nominal; 9¾c. to 10c., drums, car lots; settled cottonseed soap stock, 60-62 percent basis, 2⅝c. to 2¾c.; boiled down soap stock, 65 percent basis, 3⅝c. to 3¾c.; cottonseed foots, 50 percent basis, 1⅜c. to 1½c.

Fish Oils

Cod.—Newfoundland oil fairly active. Norwegian nominal in absence of offerings.

Menhaden.—Refined oil prices generally steady. Somewhat better request for moderate lots.

Sardine.—Fair demand for refined oil on spot. Market tone steady.

Whale.—Refined oil quotations stationary. Fair inquiry for moderate quantities.

Markets at Other Centers

Baltimore, Aug. 28.—Menhaden fishing practically at a standstill since the recent big storm off the Carolina coast. Sales of several tanks reported at 20c. per gallon, Baltimore.

San Francisco, Aug. 28.—Very light production in the northwest states and the failure of fishermen and plant operators to agree in California were contributing factors last week to a raise in price on sardine oil, when the California product sold up in stages that finally saw business turned today at 25c. per gallon in tankcars. The high figure graduated, about a half cent a day, from the previous week's quotation of 22½c. One report had it that rather substantial quantities were moved in the direction of the large-lot buyers, but this was not confirmed. The most likely condition was that less than 100 tankcars were contracted during the entire week, and possibly not more than 50 or 60.

Oregon-Washington operations are conceded to be not much better than a failure, for it was seen last week that fishing is all but over up there, with only about 4,000 tons of fish turned in for the season. This compared to 38,000 tons reached in that district by the middle of August a year ago, at which time the boats came in and called it quits.

Alaska, getting off to a very late start this season on herring is reported to be progressing very nicely now.

Fats and Greases

Grease.—Quotations generally held at former levels. Tone steady. Spot stocks light.

CHICAGO, Aug. 30. — Choice white grease, 2⅞c. to 3c. per pound; yellow, 2½c. to 2⅝c.

Lard.—Cash prices firmer with futures. Domestic trade fair. Export movement light.

CHICAGO, Aug. 30.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing Aug. 30.	Closing Aug. 23.
Cash	$5.02	$4.75	$5.02	$4.75
October	5.05	4.80	5.02	4.87
December	5.27	5.00	5.27	5.12

Stearin. — Tone firmer. Offerings light. Inquiry better.

CHICAGO, Aug. 30.—Prime oleo stearin, 5c. to 5¼c. per pound; lard stearin, 5½c. to 5¾c.

Tallow.—Offerings light and tone steady. Somewhat larger movement of moderate quantities.

CHICAGO, Aug. 30.—Edible tallow, tierces, 3⅜c. to 3½c. per pound; inedible, prime, 3c. to 3⅛c.; special, 2½c. to 2¾c.

There was no trading in tallow futures (old contracts) on the New York Produce Exchange from August 26 to August 30, inclusive. Following is a price record for the week:—

	Cents per pound in tanks—High.	Low.	Close.
October	...	...	3.50 nom.
December	...	...	3.00 nom.

Animal Oils

Lard.—Quotations reduced ¼c. to ½c. Domestic and export movement somewhat larger.

CHICAGO, Aug. 30.—No. 1 lard oil, 7¾c. to 8c. per pound.

Neatsfoot.—Prices lowered ½c. to 1c. per pound. Fair movement of moderate lots.

Oleo. — Quotations ruled steady. Trade somewhat more active.

CHICAGO, Aug. 30.—Extra oleo oil, 7c. to 7¼c. per pound.

Tallow.—Quiet and easy. Quotations reduced ½c. per pound.

CHICAGO, Aug. 30.—Acidless tallow oil, 6½c. to 7c. per pound.

Waxes

Bees.—African crude wax higher at 24½c. to 25c. per pound. Brazilian up to 26c. to 26½c. Bleached and refined yellow unchanged. Fair demand.

Candelilla.—Steady to firm under excellent price control source. Local transactions fair.

Carnauba.—Advance extended. No. 3 chalky, ton lots, 55c. to 55½c. per pound; 5-bag lots, 55½c. to 56c.; 1-bag lots, 56c. to 56½c.; No. 3 North Country, ton lots, 56c. to 56½c; 5-bag lots, 56½c. to 57c.; 1-bag lots, 57c. to 57½c.; refined, 60c. to 61c.; No. 1 yellow, ton lots, 70c. to 71c.; 5-bag lots, 70½c. to 71½c.; 1-bag lots, 71c. to 72c.; No. 2 yellow, 69c. to 70c. Primary market higher. Confidence not widespread here regarding rise in Brazil. Demand excellent on rising market.

Japan. — Quiet but very steady. Prices apparently stable.

Obituaries

Dennis E. Bergen

Dennis Emanuel Bergen, widely known in oil trade circles, died at his Summer home in Blue Point, L. I., from a heart ailment August 23. He was sixty-five years of age.

Born in New Market, N. J., Mr. Bergen moved, in 1883 with his parents, to Brooklyn where he was educated in the public school system and St. James Academy, graduating as an honor student from the latter institute in 1891, the year in which he started his business career, entering the employ of Welles & Knight, dealer in tanners' oils and greases. That firm was succeeded in 1895 by Welles & Welles, with whom he remained until it was taken over by the Swan & Finch Company. Mr. Bergen subsequently entered into partnership with Frederick J. Welles under the firm name of F. J. Welles & Co.

Dennis E. Bergen

In 1904 Mr. Bergen associated himself with Alden S. Swan, who had retired from the Swan & Finch Company, and re-entered business for himself. When Alden S. Swan & Co. was incorporated in 1907, Mr. Bergen was made secretary and director and also became secretary and director of the various other corporations in which Mr. Swan was interested. Upon the latter's death he was made president, treasurer and director of practically all of these concerns. When, in January, 1919, the consolidation of the N. B. Cook Oil Company and Alden S. Swan & Co. was effected under the name of the Cook & Swan Company, Inc., Mr. Bergen became vice-president and director of the new company. In 1932 he became associated with the Werner G. Smith Company, a division of the Archer, Daniels, Midland Company.

An organizer of the Oil Trades Association of New York, Mr. Bergen was elected its first treasurer, holding that office six years. In 1923 he was elected president of the association. He was a member of the New York Produce Exchange and from 1924 to 1938 served on the vegetable oils, fats and waxes committee of the exchange.

Surviving are his wife, three daughters and a son.

Miss Catherine L. Armstrong, formerly a cashier in the Humphreys Homeopathic Medicine Company, this city, died August 26 in Bloomfield, N. J. She was seventy-seven years of age.

Everett P. Brewer, salesmanager of Olds & Whipple, Inc., fertilizers, Hartford, Conn., died recently.

Major Karl F. Burckhardt, vice-president of the Cincinnati Oil Works Company, died August 11 in Louisville, after an illness of one month. He was sixty years old.

Lindley G. Coleman, veteran Cities Service Oil official, died unexpectedly in a hospital in this city, August 24. He was fifty-seven years of age. Surviving are his wife and three daughters.

Ralph Davis, who was associated for forty years with Benjamin Moore & Company, paint manufacturers, Brooklyn, died August 20 at his Summer home at Charlevoix, Mich. He was sixty years of age.

Adrian C. Doherty, associated with the Tidewater Oil Company since 1925, died suddenly from a heart attack at Tulsa, Okla., August 28. He was forty-five years old.

P. C. Doyle, associated with Ferdinand Gutmann & Co., Brooklyn, died August 17.

Mark M. Sennett, for more than thirty years traffic manager for the Socony-Vacuum refinery at Olean, N. Y., died unexpectedly August 21. He was sixty-three years of age.

Germany Builds Fish Meal Factory on Fishing Vessel

Germany has completed construction of a new type of boat which is both a fishing vessel and a fish meal factory. In addition to a capacity of 200 metric tons of fresh fish, 25 tons of raw material can be utilized daily in the production of fish meal. A 25-horsepower steam engine furnishes the power for the fish meal plant, the steam being obtained from the ship's boilers. A centrifugal machine included with the fish meal plant processes the blubber fats incidental to the fish meal process. The domestic supply is insufficient to meet the demand, and large quantities were formerly imported from Great Britain, Norway and Japan.

Minnesota & Ontario Paper Company's trustees' plan of reorganization has been approved in Federal Court, Chicago.

Edward G. Reuther, manager of the New York office of the Bisbee Linseed Company, Philadelphia, is enjoying a vacation in the Adirondack mountains. He is expected back late this week.

Lithopone Production Planned in Australia

Production of lithopone is to be undertaken shortly by the Electrolytic Zinc Company of Australia which conducted pilot operations in this field several years ago. A plant is to be erected at the site of the Broken Hill Associated Smelters, Port Pirie, South Australia.

Zinc is abundantly produced in South Australia, and the barytes resources are said to be ample for all domestic needs, the output in the state last year being 3,825 tons. Australian imports of lithopone have recently been between 2,500 and 3,000 tons a year.

Paint Container Corrosion Inhibiting Paste Patented

The patents of interest to the paint trade owned by Atlantic Research Associates, Inc., of Newtonville, Mass., was enlarged recently when the patent office issue patent No. 2,204,746 to Francis C. Atwood, president of that company.

The patent is titled "Package and Non-corrodible Container," and concerns a method of preventing the corrosion of metal cans by aqueous pastes. The primary interest was the avoidance of spoilage of casein paste paints packaged in metal cans. Stable casein paste paints pioneered some twelve years ago by Mr. Atwood have reached a present volume of about four million gallons a year.

Hercules Powder to Build Addition to Parlin Plant

The Hercules Powder Company, Wilmington, plans the construction of $1,000,000 addition to its nitrocellulose plant at Parlin, N. J. Completion of the addition was expected in March, 1941.

Peerless Co. Damaged by Fire

Pittsburgh, Aug. 27, 1940

A fire that did $100,000 damage swept the plant of the Peerless Wall Paper & Paint Company here. The blaze started in the basement of the four-story brick building and roared up the elevator shaft, mushrooming through the offices and storerooms. Four alarms were sounded and seven firemen hurt, none seriously.

National Cylinder Gas Merger With Compressed Gas Approved

Chicago, Aug. 28, 1940

Stockholders of the National Cylinder Gas Company and the Compressed Industrial Gas, Inc., today approved a proposal to merge the companies. The merger will become effective August 31. The National Cylinder Gas Company will be the continuing corporation. For each share of Compressed Industrial Gas, the National Cylinder Gas will issue 1.45 shares. C. J. Haines will continue as president of the merged firm and C. O. Epperson as vice-president and secretary. H. B. Pearson, president of Compressed Industrial Gases, will become chairman of the executive committee of the new company.

Flax Freights Lowered

The New York Public Service Commission has approved an amendment to the freight tariff filed by W. S. Curlett, agent for carriers in trunk line territory:—

Flaxseed, carload, minimum weight as specified in tariff from Buffalo Lake and East Buffalo to New York City, 15.79c. per hundredweight, reduction 7c. Effective September 15, 1940.

The best that can be produced. It is 100% PURE BEESWAX and measures up to all the requirements of the U. S. P.

SPECIFY TL BRAND
BEESWAX
THEODOR LEONHARD WAX CO., INC. (Dept. A)
Haledon ESTABLISHED 1852 Paterson, N. J.

SUN BLEACHED
Beehive Brand BEESWAX • Finest Quality • Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E-9 Syracuse, N. Y.
Established 1855
Spermaceti Ceresine Red Oil Glycerine Stearic Acid
WARRANTED PURE BEES WAX

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
205 East 42nd Street, New York City

QUICKSILVER
TARTARIC ACID
CREAM OF TARTAR
TEASEED OIL RED OIL FATTY ACID RICE BRAN OIL
LEGHORN TRADING CO., 21 West St., New York City
Branches: Boston Philadelphia

NATIONAL BRAND
MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE POWDERED-GRANULAR
BETA LACTOSE IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK, N. Y.

MARINCO BRAND
MARINE
MAGNESIUM
PRODUCTS CORPORATION
(formerly) MARINE CHEMICALS COMPANY
Original Producers of
MAGNESIUM SALTS
Directly from SEA WATER
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Drugs, Fine Chemicals

Drug, Fine Chemical Exports Rise to $14,726,000 First Half of Year—Britain Buys Chinese Mercury and Japan Finds New Source of Supply

Price stability was a feature in the market for drugs and fine chemicals last week. The week passed without a single major price change and practically all items displayed substantial firmness throughout the period. Much of this strength rested on the prevailing cost of raw materials, usually a comparatively high item in the cost of production. Such items as mercurials and tartar products serve as excellent examples. Demand was still under the influence of Summer but still reached a fair volume.

Of interest was the continued presence of a very good export request for American drugs, fine chemicals, pharmaceuticals, biologics, and proprietary medicines. The persistence of this call was naturally the result of foreign manufacturers being cut off from their former consuming markets.

A report of the Department of Commerce covering exports during the first half of this year shows that the value of such business advanced 50 percent in value over values for the corresponding period in 1939. Outstanding advances have been recorded in shipments of such products to countries in Latin America. The total value for the 1940 period was $14,726,188, compared with $9,808,966 for the corresponding time in 1939.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
204.0	**204.0**	**203.2**	**183.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Citric.—Steady and reasonably active market. Swiss imports in 1939 amounted to 561,798 kilos, comparing with 304,805 kilos in 1938. Leading supply sources were Italy, Czechoslovakia, France and Great Britain. In 1938 these countries, plus Germany, supplied goods.

Acid, Tartaric. — Imports of argols first half 1940 totaled 13,066,522 pounds. Compares with 1939 half year imports of 9,444,444 pounds. Acid firm to strong. Moving well.

Alcohol. — Movement very good. Sales of antifreeze on contract running fair. Industrial users taking out contracts well. Prices apparently firm. Statistics comparing production, withdrawals, and stocks of pure and denatured ethyl alcohol in July, 1940, and 1939, as prepared by the Alcohol Tax Unit, Bureau of Internal Revenue, Treasury Department, Washington, D. C., are as follows:—

Ethyl Alcohol

	July, 1940. (Proof gallons)	July, 1939. (Proof gallons)
Production	22,457,040	17,643,960
Withdrawn, tax paid.	2,019,762	1,764,837
tax free	19,992,596	14,145,257
Stocks, July 31	22,393,289	32,231,672

Denatured Alcohol

	July, 1940. (Wine gallons)	July, 1939. (Wine gallons)
Completely		
Produced	867,244	542,979
Removed	718,795	527,689
Stocks, July 31	647,139	670,230
Specially		
Produced	9,575,329	6,893,795
Removed	8,777,859	6,859,407
Stocks, July 31	1,957,968	1,352,424

Bonded Dealers

	July, 1940. (Wine gallons)	July, 1939. (Wine gallons)
Specially denatured—		
Received from denaturing plants	276,247	221,157
Disposed to bonded manufacturers	308,529	303,280
Inter - dealer shipments	2,648	5,149
Stocks, July 31	340,875	295,755

Aloin. — More small-lot business. Prices held firm. Stocks about normal.

Ammonia Benzoate. — Movement normal. Steady prices. No unsettlement in sight.

Ammonia Bromide.—Normal activity. Price position more clearly defined. No further shading reported.

Ammonia Citrate. — Consumption about normal. Well stabilized position likely to continue.

Ammonia Hypophosphite.—Business fair. Prompt needs build reasonable volume. Fully steady prices.

Amyl Acetate. — Apparently firm. Trade lacking special activity. Prices repeated.

Bismuth Metal and Salts.—Trade up to recent volume. Undertones very steady. Signs of Fall pickup noted.

Bromoform.—No further price recession. More stability a reasonable prospect. Trade normal.

Cadmium.—Salts moving in fair volume. General undertone steady to firm. Demand for metal should gain.

Caffeine.—Fully strong situation unabated. Production apparently up to current home requirements. Speculation kept in check.

Calcium Gluconate. — Deliveries prompt. Demand up to recent volume. Undertones indicate market stability.

Calcium Glycerophosphate. — Firm. Moderate demand. Ample stocks. Trade expected to hold even.

Camphor.—Fall demand broadening. Active Winter expected. Stocks to be none too ample. Strong price position on domestic synthetic.

Castor Oil.—Market holds. Undertones moderately easy. Demand up to recent size.

CHICAGO, Aug. 28.—Castor oil unchanged. Prices are:—Cold pressed, U.S.P., barrels, car lots, 11⅝c. per pound; barrels, less than car lots, 12⅜c.; returnable drums, car lots, 11⅜c.; drums, less than car lots, 12⅛c.; tanks, 10⅞c.; extracted, No. 3, barrels, car lots, 11⅛c.; barrels, less than car lots, 11⅞c.; returnable drums, car lots, 10⅞c.; drums, less than car lots, 11⅝c.; tanks, 10⅜c.

Cocaine.—Indications of increased attempts to sell raw material on this market. Strict government control keeps purchases to actual home needs.

Codliver Oil.—Approval of Wartime Prices and Trade Board, Canada, needed to secure export licenses for codliver oil and codlivers. Canadian consumption, all grades oil, averages 460,000 gallons of which 75 percent comes from Great Britain. Imports from Britain cut to 12,000 gallons as war measure. Spot market firm.

Collodion.—Firm market. Normal but uneventful demand. Production cost apparently stable.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Federal Wholesale Druggists, Sept. 8-11, Hot Springs.
National Wholesale Druggists, Sept. 30-Oct. 3, White Sulphur Springs.
DCAT outing, Oct. 18-19, Skytop.
Pest Control Association, Oct. 28-30, Indianapolis.

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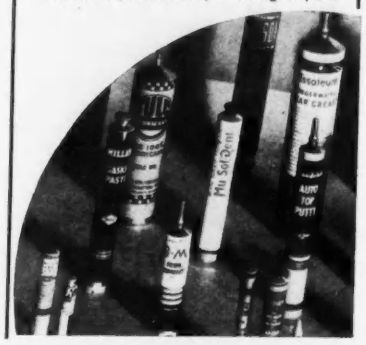

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Corn Syrup.—Very good call. Consumption moves promptly. Little stock surplus.

Ephedrine.—Prices very low. Some producers not meeting minimum rates. Conditions highly favorable for buyers.

Epsom Salt.—Steady to firm. Good to normal demand. Well held prices.

Formaldehyde.—Contract absorption accounts for good movement. Very steady prices.

Glycerin.—Demand good. Activity normal for season and outlook favors good business through Fall months. Prices continue fully stable.

CHICAGO, Aug. 28.—Glycerin prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots; 13c., drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c., drums, car lots; 12½c., drums, car lots.

Hydrastinine.—In exceptional low supply. Practically nominal market.

Hyoscyamine.—Sellers highly reserved. Prices high. Market virtually nominal.

Iodine and Iodides.—Minor iodides still show no advance. Rise in major items fully maintained. Trade normal.

Magnesia.—All kinds move well. Consumption running close to recent volume. Prices apparently are well stabilized.

Mannitol.—No further price revision. Market already low and attractive.

Menthol.—Limited call. Competition from Chinese item keen. Synthetic moves very well at firm prices.

Mercurials.—Generally firm. Moving normally. No signs of early price movement in buyers' favor.

Methanol.—Prices holding in response to very fair movement. Some expect gain in sales during months ahead.

Methylacetone.—New developments lacking. Competition fairly keen but not reflected in open quotations. Conditions seem favorable for buyers.

Quicksilver.—Spot sold substantially at $180 per flask. Range to $185 as to seller and quantity. Japan finds another source. Few inquiries from Britain. China selling to London. Some on spot view future as not specially encouraging.

SAN FRANCISCO, Aug. 28.—Export permits are being granted here now for the shipment of quicksilver to England, following the release of lots to Canada, it was learned during the week, but no action allowing exports to Japan has been made. Market generally steady. Some lots denied export shipment have been turned into filling domestic contracts, buyers requesting that metal be given them ahead of time if possible. Spot situation still tight and inquiry fairly good. Production very good. Quoted here today at $178 to $180 per flask, depending upon quantity and position.

Quinine.—Fall and Winter requirements well covered by suppliers. Domestic makers and sellers of quinine

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and cinchona bark derivatives have protected probable needs amply. Care exercised in all sales to assure maintenance of present satisfactory position.

Saccharin.—Home consumers cared for well. Price stability uninterrupted.

Salicin. — Jobbing business maintained steady price position.

Santonin.—Stocks fully up to all probable needs for nearby future. Little demand now.

Seidlitz Mixture.—Shipments steady and total normal trade volume. Production cost held high by new material prices.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided:—

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	34¾	23 1/16
Monday	26⅞	34¾	23 1/16
Tuesday	26⅞	34¾	23 1/16
Wednesday	26⅞	34¾	23⅛
Thursday	26⅞	34¾	23 1/16
Friday	26⅞	34¾	23⅛

Turner Currens Retires Succeeded by Marsters

—Continued from page 5

the sales duties relinquished by Mr. Currens, continuing to function as director of purchases.

Turner Currens is a graduate in pharmacy and after several years of experience in retail and traveling work he became a sales representative for the Norwich company in central Illinois in 1904. He has a marked personality and he made himself felt from the very start. It was not long until it was clear he possessed executive ability and as a result of this and his outstanding sales record he was promoted to the managership of the company's New York branch, January 1, 1913, and has since made his headquarters in this city. Mr. Currens has been active in local, State, and national association affairs, and a regular attendant at many meetings. He is widely known in drug trade circles, not only in this country but in many foreign lands to which he has been a frequent visitor during the past several years.

For some time past Mr. Currens has expressed a desire for more time in which to travel and to enjoy the fruits of his success. In the early part of this year he specifically requested that he be relieved of his many duties. Now that this has been arranged, it is the hope of his many friends that he will find the same full measure of enjoyment and satisfaction in his leisure as he always found in his work. He even admits the possibility that he will take up golf.

Guy Marsters started with the Norwich Pharmacal Company in the same year that Turner Currens enlisted in its service. He has spent his entire business life with the company; was elected a director at the early age of twenty-eight, and has been a vice-president since 1934. He too is a well-known figure at association meetings and in other drug-trade circles, as well as in the organizations of purchasing agents.

Mr. Marsters will transfer his activities from Norwich to this city and will be the company's vice-president and resident director here. He will manage the Eastern sales division and the special sales division.

Edson W. Collins, who has been first assistant to the director of purchases for the past four years, has been named purchasing agent for the Norwich company. Mr. Collins holds a degree in engineering from the Massachusetts Institute of Technology and has a broad experience in the industrial field. He will be assisted by Lewis R. Mott. James C. Scanlon, who began his career in the Norwich laboratories many years ago and who is well known in the manufacturing field, will supervise special sales business from Norwich. Both Mr. Scanlon and Mr. Collins will function under the direction of Mr. Marsters.

Drug Labeling Hints Marks Correspondence

—Continued from page 5

aged, and it is considered inappropriate on the label of a cathartic, since the consumer might think the article contains no potentially harmful ingredients.

Digitalis Cat Units

Any digitalis product labeled in terms of cat units should specify the method by which its potency was determined. Where the label refers to Hatcher-Brody method, it should be specific as to the exact details used since there are several variations of that method.

Ampul Labels

Labels of individual ampuls should carry the information required by law, but where the size of the ampul does not permit the placing of all the required information, the label should carry as much of the information as practicable.

Codliver Oil Production Pushed in Maritimes

Although some of the new plants will not reach maximum operations this year, a minimum production of 200,000 gallons of codliver oil in the Canadian Maritime Provinces is expected. This quantity is estimated by Dr. S. A. Beatty, acting director of the Fisheries Research Board, Halifax, on the basis of fish available at the points where livers are being rendered.

Operating plants in the maritimes include the following:—

New Brunswick.—Jasper DesBrisay, Shippigan; the Gorton-Pew Company, Caraquet.

Nova Scotia.—J. H. Cadigan, Glace Bay; Chelsey Cann, Yarmouth; Dr. J. H. Carson, Port Saxon; Roy Casey, Victoria Beach; Louis Comeau, Meteghan; Fisherman's Cooperative, Havre Boucher; James Little, Terence Bay; Marden-Wild of Canada, Ltd., Halifax; Matthews & Scott, Queensport; Nickerson Brothers, Liverpool; Robin, Jones & Whitman, Cheticamp; H. A. Smith & Son, Port Hood Island.

Prince Edward Island.—North Rustico Cooperative, North Rustico.

Beauty-Barber Industry To Set Up Trade Rules

A trade practice conference under the auspices of the Federal Trade Commission has been called for the beauty and barber equipment and supplies industry, to convene at the Hotel Stevens, Chicago, September 20, at 9:30 a. m., C.S.T.

Some of the subjects suggested for discussion are:—Misrepresentation in various forms; misuse of the word "free" as applied to products of the industry; deceptive representations as to price reductions; imitation of a competitor's trade-marks, trade names, etc.; false invoicing; unlawful price discriminations; including breach of contract; defamation of competitors or disparagement of their products, and various other unfair trade practices and trade abuses.

Mustard Seed Reduced From Freight Class Rates

The New York Public Service Commission has approved new commodity freight rates of the Baltimore & Ohio railroad on mustard seed, other than wild, carload, minimum weight 30,000 pounds, from Buffalo to Rochester, 10½c. per hundredweight. Reduction from class rates. Effective September 15, 1940.

Cosmetic Industry Asked To Aid European Children

The United States Committee for the Care of European Children, Inc., this city, has formed a division for solicitation in the cosmetics industry, with Mrs. Lillian Dodge, president of Harriet Hubbard Ayer, as chairman. Mrs. Dodge is opening her campaign work with a mail appeal for enlistment of volunteer workers and for funds. A quota of $1,500,000 is being sought by the committee in the New York metropolitan area.

Botanical Drugs, Spices, and Gums

Botanicals Being Shipped From Spain to Portugal in Spanish Ships—American Owned Stocks Detained in Naples May Move Here Via That Route

Demand in the market for botanical drugs continued light and irregular much of last week. The larger manufacturing consumers appeared to hold fair stocks of raw material and the smaller consumers did not appear to be pressed to secure their requirements. In the main, the market was steady on the spot. Competition was restrained, probably for the reason that the supply of European botanicals is likely steadily to decrease without the tempering effect of even occasional arrivals of replacement stocks. Goods in hand were viewed as being valuable property and absence of large demand failed to bring much disappointment to the local dealers.

Foreign conditions changed very little. One trifle of news had it that botanicals were being shipped from Spanish to Portuguese ports on the Mediterranean Sea, Spanish ships being used. This suggested to some that it might be possible to get goods from Southcentral Europe to Spanish ports and, ultimately, to the United States via Lisbon, Portugal. Definite plans to that end have been made to move goods owned here but now detained at the port of Naples, Italy. All chance of using Greek ships seemed ended. Furthermore, reports concerning Hungarian and other Balkan states did not encourage the idea that botanical drugs would move from the heart of the collection countries this year.

Balsams

Peru.—Lower, spot and forward. Local quotation 68c. to 70c. per pound. Might be shaded slightly.

Tolu.—Quiet at firm prices. Limited call.

Barks

Cinchona.—Bolivian exports total 192,723 kilos first quarter 1940. Second quarter, 171,474 kilos. Total in 1939 was 792,943 kilos. Netherlands was main buyer, taking 117,865 kilos in 1940 first quarter, comparing with total purchase of 551,730 kilos in 1939. Japan a Bolivian customer of growing importance.

Dogwood.—Firm. Activity distinctly ordinary. Fair supply.

Orange Peel.—Fair deliveries possible. Light call. Steady prices.

Soap.—Activity conventional. Prices steady.

Beans

St. Ignatius.—Dull item. Moderate stocks kill off competition and keep prices steady.

Vanilla.—Higher. Burbons, $7.25 to $7.75 per pound; Mexicans, whole, $7.50 to $8; cuts, $7.25 to $7.50; South American, $7.25 to $7.50. Stocks limited. New crop Mexican cuts due next March. Whole beans in July-August. Future bean shipments from Madagascar uncertain.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered
Anise	533	2,610
Belladonna	69	305
Caraway	1,853	13,337
Cardamom (cases)	...	1,390
Celery	...	4,364
Coriander	2,889	17,262
Cumin	727	3,574
Digitalis leaves (cases)	1	1
Dill	...	199
Fennel	671	1,247
Henbane leaves (bales)	262	270
Mustard	2,800	5,654
Poppy	550	28,183
Sage leaves (bales)	...	249
Sesame	2,917	8,878
Stramonium	121	8,049
Thyme	...	1,975

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Price Changes

Advanced

Cassia, China select, rolls, 2½c. per lb.
broken, 2c. per lb.
Celery seed, Indian, ¼c. per lb.
Cardamom, bleached, 5c. per lb.
Dandelion root, 5c. per lb.
Laurel leaves, Turkish, ¼c. per lb.
Marjoram, Tunisan, 4c. per lb.
Mustard seed, California brown, ½c. per lb.
Danish yellow, 4c. per lb.
Roumanian yellow, 3½c. per lb.
Pepper, Lampong, ¼c. per lb.
Japanese chillies, 1c. per lb.
Rape seed, Dutch, 2c. per lb.
Japanese, 2c. per lb.
Vanilla beans, Bourbons, 25c. per lb.
Mexican, whole, 25c. per lb.
cuts, 25c. per lb.

Reduced

Coriander seed, ⅛c. per lb.
Cumin seed, Morocco, ¼c. per lb.
Goldenseal root, 10c. per lb.
Peru balsam, 12c. per lb.
Poppy seed, Dutch, ½c. per lb.
Turkish, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
200.3	**202.9**	**200.3**	**126.2**

Market news that may have developed after this report was sent to press will be found on page 4.

Berries

Juniper.—Undiminished strength. Stocks decreasing. Little selling pressure. Sellers reserved.

Raspberries.—Firm at recent rise. Demand moderate and routine.

Flowers

Arnica.—Scarce. High in prices and practically nominal.

Calendula.—Little chance to get European crop. Holdover here moderate. Price strong.

Chamomile.—Further arrivals from Europe doubtful. Unsold stocks here being conserved. Strong price position maintained.

Mullein.—Limited call. Firm prices. Little competition. Further imports doubtful.

Pyrethrum.—All aspects of market favor buyer. Keen competition keeps prices subject to shading.

Gums

Arabic.—Steady to firm. Sellers reserved. Unsold stocks being conserved. Future arrivals from source expected to be small, if any. Fair demand.

Benzoin.—Fair jobbing business in Sumatra gum. Very steady prices. Competition in eclipse.

Camphor.—Fall and Winter needs to be covered in very firm market. Do-

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- Ionone Ketone
- Phenyl Ethyl Alcohol
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mestic production of synthetic increasingly important. Sold well ahead at present.

Guaiac.—Steady to firm. Not very active market. Stocks conservative. Fair supply expected for future needs.

Myrrh.—More inquiry. Small lots business gains. Firm prices.

Herbs and Leaves

Digitalis.—Department of Commerce information tells of this item being available in small lots in Colombia. No exports heretofore. Shipper's name available at Bureau of Foreign and Domestic Commerce, Washington, D. C.

Laurel.—Turkish higher at 8¾c. to 9¼c. per pound. Limited stocks.

Marjoram.—Tunisan item nominal at higher price of 30c. per pound. Chilean and French very firm.

Sage.—Dalmatian stemless quoted strong at 40c. to 41c. per pound. Garden variety declared unavailable.

Uva Ursi.—Quiet. Steadier prices. Less downward tendency.

Miscellaneous

Cantharides.—Steady prices. Small demand. Moderate stock.

Colocynth Pulp.—More competition but no change in open quotations.

Ergot.—Holding steady here pending clearing of foreign situation. Prices comparatively low in Portugal. Quoted f.o.b. shipment port.

Grains of Paradise.—Steadier. No further shading. Limited consuming interest at present.

Lycopodium.—Light demand makes present stock sufficient. Arrivals of European most unlikely. Certain to be slow and few. Russia could ship via Murmansk.

Roots

Angelica.—Domestic firm at late advance. No decline likely.

Goldenseal.—Narrow sales outlet keeps prices weak. Keener competition. Whole, $2.90 to $3 per pound; powdered, $3.15 to $3.25.

Ipecac.—Competition continues but brings no further price decline.

Rhubarb.—Steadier but still tending in favor of buyers with firm orders in hand.

Senega.—Advance fully maintained. Stocks in Canada under excellent control. Future prices still doubtful. Depend on export opportunities.

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Seeds

Cardamom.—Bleached higher at $1.15 to $1.50 per pound as to quality. No further decline in green or decorticated material.

Celery.—India seed advanced to 17½c. to 18c. per pound.

Coriander.—Lower at 4.50c. to 4.80c. per pound.

Cumin.—Morocco seed shaded to 17c. to 18c. per pound.

Hemp.—Manchurian shaded to 6½c. to 7¼c. per pound. Poor demand.

Mustard.—Montana crop prospects fair. European seed likely to disappear here. California brown up to 17½c. to 18c. per pound; Danish yellow, 30c. to 31c.; Dutch yellow, 30c. to 31c.; Roumanian yellow, 16½c. to 17c.

Poppy.—More competition brings spot prices down. Dutch, 20c. to 21c. per pound; Turkish, 15½c. to 16c.

Rape.—Japanese seed jumps to 10½c. to 11c. per pound as Japan conserves stock to supply home needs. Dutch up to 12c. to 13c. per pound.

Spices

Cassia.—China spice higher. Selected rolls, 12c. to 12½c. per pound; extra select, broken, 11½c. to 12c.

Ginger.—Steady prices in firm and fairly active market.

Mace.—Sellers report very firm prices. Moderate demand.

Paprika.—Bulgarian shaded to 29c. to 30c. per pound. Hungarian, Portuguese, Spanish and Algerian unchanged.

Pepper.—Firmer Lampong market at 3¾c. to 4c. per pound. Red Japanese chillies higher at 19c. to 19½c. Mombassas firm. Whites lack development.

Trading in black pepper futures on the New York Produce Exchange from August 26 to August 30, inclusive, comprised 105 contracts, a total of 3,528,000 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
January	3.65	3.65	3.66@3.70
March	3.77	3.63	3.74@3.75
May	3.83	3.70	3.80@3.83
July	3.91	3.77	3.87@3.91
September	3.57	3.39	3.54@3.59
October	3.56	3.56	3.37@3.61
December	3.65	3.52	3.61@3.60

Sulphuric acid production will be undertaken by Hongkong Mines, Ltd., providing if negotiations are completed with Chinese interests who will supply the process for treatment of smelter gases.

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Essential Oils, Aromatic Chemicals

Wormseed Reduced Again — Dillweed Lower — Pineneedle Shaded—Peppermint Lacks Further Change—Contracts Offered on Domestic Orange and Lemon

The outstanding feature in the market for essential oils last week was the offering of contracts on lemon and orange oil made by Pacific coast producers. For a while, only prompt deliveries had been available but apparently the situation has improved sufficiently to permit consumers to protect needs well ahead. Dillweed, pineneedle and wormseed oils sold at lower levels.

The market as a whole was subject to a demand certainly not in excess of that recently current on spot but, also, sufficiently large to keep quotations on most items very steady. In the main, the background of strength was due to the uncertainty regarding replacement of current spot stocks and the generally high cost of whatever materials might be available for export to the United States.

Outlook for production of domestic oils was very good. Probable curtailment of export business, plus the possibility of Russia sending oil steadily to this market, tended to make the future of peppermint uncertain at this time. Spearmint was more clearly placed and prices were expected to hold. Wormseed crop prospects were being discounted in the decline in spot quotations. Output of tansy was expected to be sufficient and no shortage seemed likely in wormwood and other domestic products.

Price Changes

Advanced

None.

Reduced

Dill, weed oil, 25c. per lb.
Pineneedle, 10c. per lb.
Wormseed, 15c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.0	126.4	128.2	73.0

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Firm. Fair demand. Inquiry up some. Stocks conservative.

Amber.—Slow demand. Steady prices. Moderate stocks. Outlook fair.

Amyris.—Stocks sufficient. Strictly jobbing demand. Limited distribution of stocks.

Anise.—Very firm. More demand and volume points upward. Sellers reserved. Prices tend up.

Apricot.—Firm and well established at unchanged prices.

Bay. — Shipment prices stable. Ample spot stocks. Consumption moderate and routine.

Bergamot.—Strong, nominal market. Substitutes receive increasing attention. High cost eliminates natural oil for some buyers.

Birchtar.—Strictly jobbing market. Firm prices. Stocks not easily replaced.

Bois de Rose.—Very steady. Primary market prices show stability and strength. Local stocks moderate. Fair call.

Cajeput.—Limited sales indicate strictly jobbing needs. Prices steady.

Camphor.—Steady to firm. Stocks small. Cost high to replace. Offerings small at source.

Cananga.—Moderate consumption. Primary market firm. Transport of replacements slow.

Capsicum (Oleoresin).—Stability the rule in price and demand. Raw material strengthened during period.

Caraway.—Stocks small and constantly shrinking. Holders very reserved. Nothing coming from primary market direct.

Cardamom.—Raw material firmer and higher. Oil strengthens without change in price. Fair call.

Cassia.—Advance maintained by firm to strong market here and at source.

Cedarleaf.—Firm in price. Quiet demand. Fair stocks. Little competition.

Cedarwood.—Slow consuming season arrives. Summer trade was fair. Prices show stability.

Citronella.—Java oil developing strength. Replacement cost above that for Ceylon oil. Latter continues easy and competitive.

Clove.—Steady absorption of output keeps prices steady. Raw material costs change little. Firm undertone.

Coriander.—Firm to strong. Moderate demand tempers price strength some. Little competition.

Croton.—More competition. Absence of demand unsettles prices slightly. No open change.

Cubeb.—Steady to firm but subject to more competition than noted recently.

Cumin. — Little demand. Steady prices. Fair stocks.

Cypress.—Fairly steady but in light request.

Dill.—Weed oil lower at $4 to $4.25 per pound. New crop. Price might be shaded on quantities.

Erigeron.—Distillation likely to be small. Annual consumption small.

Eucalyptus.—More inquiry. Small lot sales increase. Very firm replacement cost makes spot prices show strength.

Geranium.—Fairly slow market. No weakness in price. Competition restrained by replacement uncertainties.

Grapefruit. — Good production expected this year. Sales gaining slowly but steadily as new users develop.

Ginger.—More stable prices. Raw material developing more stability. Jobbing demand very steady.

Lemon. — Domestic makers now offer six-month contracts. The price, $3.25 per pound, unchanged. Fair demand keeps market undertones very firm.

Lemongrass.—Weak and competitive in all markets.

Lavender.—Strong and in dwindling supply. No knowing when more may come from France.

Orange.—Domestic makers of cold-pressed oil offer six-month contracts at $2 per pound. Market very steady. Ample stocks of all but Italian oil.

Peppermint.—No further decline. Still easing under new crop influence.

Pineneedle.—Lower at $1.25 to $1.30 per pound.

Wormseed.—Lower at $4 to $4.10 per pound. New crop prospects easing market steadily.

Aromatic Chemicals

Acetaldehyde. — Routine market. Demand confined to prompt needs.

Amyl Phenylacetate. — Demand hand-to-mouth. Steady to firm prices indicate little competition.

Amyl Salicylate. — Quiet. Market close to normal stability. Limited competition.

Anethol. — Firmer and tending stronger in keeping with raw material. Little shift in routine request.

Anisic Aldehyde. — Slow demand. Very firm price. Raw material situation tends to raise production costs and modify supply.

Benzaldehyde.—Steady demand for moderate quantities. Situation about normal. Firm prices.

Benzyl Acetone. — Somewhat slow trade fails to unsettle recently steady prices.

Benzyl Alcohol.—Routine demand maintains fair volume. Steady market.

Benzyl Benzoate.—Demand slower and along jobbing lines.

Benzyl Cinnamate.—More inquiry

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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for better than fair quantities. Very steady undertones.

Benzyl Formate.—Sales up moderately. Gain in market activity adds stability to current quotations.

Benzyl Propionate.—Movement to consumers steady. Fully stable market.

Benzyl Salicylate. — Consumption waning due to seasonal influence on certain consuming trades. No price unsettlement.

Benzylidenacetone. — Buyers cover needs fairly well ahead. Very firm prices indicate absence of much competition.

Bornyl Acetate.—Quiet. Slow movement of jobbing orders the rule. Steady price position.

Bromstyrol.—All qualities firm. All move in about normal demand. Very steady prices.

Carvol.—Strong position due to raw material situation. Demand moderate. Sellers much reserved.

Cinnamic Alcohol.—Inquiry larger. Gain in sales moderate. Generally firm situation.

Citral. — Buyers covering close to actual needs. Situation about normal in all respects.

Citronellal.—Unchanged in price. In fair request in quantities better than jobbing.

Citronellol.—Not especially active but very steady in price.

Novoviol.—More competition. Prices loss stable. Conditions favor buyers.

Paracresyl Acetate.—Activity restricted to prompt needs, usually. Steady prices.

Pelargol. Quiet market. Restricted activity. No price unsettlement.

Phenyl Acetaldehyde.—Limited interest in quantity lots. Fair jobbing call. Prices maintained.

Phenylethyl Acetate.—Inquiry improved brings sales gain. Prices firmer.

Trade Briefs

Precision Laboratories has been incorporated in Delaware with a $200,000 capital.

Edward S. Muth, of Muth Bros. & Co., wholesale druggist, Baltimore, returned August 26 from a two weeks' vacation in Atlantic City.

Solomon Berg, of the Berg Chemical Company, this city, became the father of a baby girl, weighing seven and one-half pounds, August 16.

Ammonia nitrate plant, costing $8,000,000, is being constructed in Alberta by the Consolidated Mining & Smelting Company for the Dominion government.

Thomas Sheridan, employee in the Newark branch of McKesson & Robbins, Inc., was kidnaped and robbed of $26,738, which he was taking to the bank for the company on August 28.

Alcohol Survey Started

Chicago, Aug. 26, 1940

The Flavoring Extract Manufacturers Association of the United States has mailed to its members a questionnaire which is expected to reveal the full burden of taxes thrown upon the housewife by the current levy, which treats beverage and non-beverage alcohol on an equal basis.

Manufacturers are asked the total gallonage of alcohol purchased for household flavoring extracts, for ice cream and bakery use, for gelatine desserts, and for use in manufacturing processes for certain soft drinks. When the replies are tabulated, the material will be used in an effort to convince Congress there should be a lower tax on the alcohol purchased for these purposes.

American Viscose Corporation, Marcus Hook, Pa., plans the erection of an addition to its Lewistown, Pa., plant.

Petroleum Solvents, Lubricants, Fuels

Pennsylvania Oil Reduction Stabilized by Central Area Advance —Gasoline Reduced at New York—Lubricating Oil in Better Demand and Firmer — Rubber Solvent More Active

Posted prices for Pennsylvania crude oils, with the exception of Corning grade, were reduced sharply last week. The lowering of the price made the total reduction since the beginning of the year 90 cents per barrel for Pennsylvania oil. The action was reportedly brought about by the high prices of raw materials in relation to those of refined products. The general oil situation was somewhat stabilized, however, when prices were advanced for crude from wells in eastern and western Kentucky, eastern Illinois, western Indiana and Michigan.

Greatly increased consumption caused a price advance in Illinois gasoline but despite better demand prices were weak at New York and New England. Group 3 and Pennsylvania lubricants were in better movement and undertone of the market was noticeably firmer. Price-cutting appeared in the Midwest, however. Petroleum solvents and diluents were marking time, with the exception of rubber solvent, which was more active. Paraffin and white oils were routine.

Solvents and Diluents

Cleaners' Naphthas. — Conservative ordering continued to feature the market. Deliveries smaller and less regular. Price steady.

Aromatic Naphthas. — Withdrawals normal and routine. Price firm and unchanged.

Lacquer Diluent.—Little new business reported. Contract deliveries fair. Price unchanged.

Petroleum Thinners.—Paint manufacturers buying sparingly. Pick-up looked for this month. Price steady.

Rubber Solvent.—Akron tire makers more active buyers. Shipments heavier. Price firm and unchanged.

Stoddard Solvent.—Routine demand and small shipments. No change in price.

V. M. & P. Naphtha. — Business slack. Inquiry better. Price firm.

Markets at Other Centers

Chicago—August 29

Petroleum solvents and diluents remained quiet and unchanged in both price and tone. Cleaner's items have been reported in better demand. Movement of material into paint industry channels was fairly extensive.

AROMATIC NAPHTHAS — Market quiet. Prices unchanged.

CLEANER'S NAPHTHA—Inquiry better. Price steady.

LACQUER DILUENT.—Movement fair, inquiry moderate. Quotations stable.

PETROLEUM THINNERS — Demand holding up fairly well. No change in price.

RUBBER SOLVENT—Tone steady but quiet. Price unchanged.

STODDARD SOLVENT—Moving well, inquiry better. Price firm.

V.M. & P. NAPHTHA.—Buyers taking limited amounts. Price holding.

New Orleans—August 29

Solvents and diluents markets were quiet and firm with quotations as follows:—

CLEANING SOLVENT—Boiling range 225/350, gravity 53, 6¾c., delivered New Orleans in tankcars.

V.M.P. NAPHTHAS—Boiling range 175/425, gravity 48, 6½c., same basis.

Tulsa—August 29

Price is unsettled in the solvents and diluents market, although movement of several items has increased. Shipments of rubber solvents are at a good pace. There were more inquiries for cleaners' naphtha. There were no price changes but concessions from posted prices continue to be granted.

CLEANER'S NAPHTHA—Slight pick up in demand, with quotations unchanged.

LACQUER DILUENT — Demand and shipments routine.

RUBBER SOLVENT—Demand held steady. Price unchanged.

STODDARD SOLVENT—Trading routine. Price firm.

V.M. & P. NAPHTHAS—Demand light and quotations unchanged.

PETROLEUM SPIRITS—Quiet and unchanged.

Price Changes

Advanced

Gasoline, Ill. refineries, ¼c. per gal.
Petroleum, crude, bulk, at wells, E. Ill., 5c. per bbl.
Ky., 10c. per bbl.
Mich., 10c. per bbl.
W. Ind., 5c. per bbl.

Reduced

Gasoline, bulk, N. Y. and N. England, 1/10c. to 3/10c. per gal.
Petroleum, crude, bulk, at wells, Pennsylvania, 15c. per bbl.

Market news that may have developed after this report was sent to press will be found on page 4.

Lighter Fractions

Butane.—Buyers showing little inclination to place large orders. Shipments smaller. Price steady.

Heptane.—Routine and firm.

Hexane.—Little of new interest. Price steady.

Octanes.—Normal business reported. Shipments fair. Price unchanged.

Propane.—Conservative withdrawals made. Price firm.

The State of the Petroleum Market

Only change to revise these figures was a 15c. per barrel reduction in Pennsylvania crude oil last week.

	Aug. 30	Aug. 23	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.1570	$1.1720	$1.147
Gasoline prices at refineries (at four refining centers) per gallon.....	.0517020	.0517020	.050875

Markets at Other Centers

Chicago—August 29

Light gaseous hydrocarbons hold quiet and unchanged. Demand was along restricted lines for most materials, but sellers' ideas were firm and buyers were unable to obtain anything in the way of substantial concessions.

BUTANE.—Orders fair. Price holding steady.

HEPTANE.—Offerings moderate. Quotations stable.

HEXANE.—No change in market aspect. Price steady.

OCTANES.—Indication of slightly better interest. Firm prices.

PENTANES. — Inquiry fair. Market unchanged.

PROPANE.—Orders picking up. Price steady to strong.

Petrolatums and Waxes

White Mineral Oils.—Demand conservative. Prices firm.

Petrolatums.—Quiet, with shipments light. Prices steady and unchanged.

Paraffin. — Crude scale somewhat firmer, with better demand. Refined grades moving well. Prices unchanged.

Markets at Other Centers

Chicago—August 29

Sources of supply reported no important change in the petrolatums and waxes for last week, although most of these products apparently continued to hold their own without much difficulty. Reported that one or two sources of crude scale have been willing to consider lower prices.

PARAFFIN—Tone irregular. Prices holding.

PETROLATUMS—Demand fairly good. Unchanged price.

WHITE MINERAL OILS—Buyers taking routine amounts. Steady quotations.

Tulsa—August 29

Firmer tendencies developed in the paraffin market. The 124-26 American crude continued in better inquiry.

Fuels and Lubricants

Gasoline. — The Socony-Vaccum Oil Company lowered posted price 1/10c. to 3/10c. per gallon at bulk plants throughout New York and New England. The new price at metropolitan New York was 7c. per gallon, down 2/10c.

Kerosene. — Buyers showing a bit more interest, but market still quiet. Prices firm and unchanged.

Fuel and Gas Oils.—Grade C bunker fuel appeared a bit steadier and rumors of sales at $1.15, 10c. per barrel below the posted price, were heard less frequently. Demand for heating oils has picked up and prices firmed.

Lubricating Oils.—Pennsylvania bright stocks and neutrals were in better demand, and prices were firm and unchanged.

Crude Oil Price Changes

Pennsylvania grades were reduced 15c. per barrel to $1.85 for Bradford district, Allegany and New York transit; $1.50 for Southwest Pennsylvania pipe lines; $1.44 for Eureka pipe lines and $1.75 to $1.78 for lower district. Corning grade was unchanged. Eastern and Western Kentucky crudes were advanced 10c. per barrel to $1.10. Michigan crude was advanced 10c. to from 92c. to $1.18. Eastern Illinois and West Indiana crude were advanced 5c. per barrel to $1.

Markets at Other Centers

Chicago—August 29

With peak gasoline consumption nearing its end, demand was good. Gasoline undertone was better after recent crude price advances. Lubricating oil tone was sluggish and easy. Kerosene was coming into better demand from purchasing refiners. Heavy fuel moved well and industrial gas oil business was ac-

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1940 Jan. 1-Aug. 24	1939 Jan. 1-Aug. 24
Commercial crude oil production.....	868,269,356	774,025,340
	Week ended Aug. 24, 1940	Week ended Aug. 26, 1939
Daily average production	3,511,226	2,280,660
Bureau of Mines estimate	3,657,700	3,521.900
	Week ended Aug. 24, 1940	Week ended Aug. 17, 1940
Estimated motor fuel stocks.....	85,770,000	86,441,000
Estimated finished motor fuel stocks.....	79,136,000	79,810,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Association meetings:—
National Petroleum, Sept. 18-20, Atlantic City.

NICKEL FORMATE
Also NICKEL CATALYST - NICKEL CARBONATE
NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N.Y.

WHITE OILS
GUARANTEED QUALITY
To meet all the special requirements for Pharmaceutical, Cosmetic and Industrial Purposes.
ALL GRADES
REFINERS OF WHITE OILS AND PETROLATUMS
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REFINERY, WARREN, PA. MAIN OFFICE, ENGLEWOOD, N. J.

Neutroleum
ALPHA
GAMMA
For complete neutralization of offensive odors, this aromatic concentrate has proved its effectiveness in hundreds of widely-dissimilar, technical products. Its use means new appeal for the odor-handicapped product — and at negligible cost. Results instantaneous. Investigate.
FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.
BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

tive. Furnace oils were beginning to move on contract into buyers' storage.

GASOLINE.—Tone better. Prices unchanged.

KEROSENE.—Inquiry good, movement larger, prices strong.

FUEL AND GAS OILS.—Large buyers interested. Market firm to strong.

FURNACE OILS.—Better tone displayed. Quotations steady.

LUBRICATING OILS.—Market hesitant. Prices easy.

New Orleans—August 29

The domestic market remained firm during the week, with prices unchanged. U. S. motor gasoline was at 5¼c. 63-67 octane at 5½c. and 70-72 at 6c.—all prices on a per gallon basis at refinery. Kerosene remained steady at 7½c. per gallon at refinery. Bunker C fuel oil was at 80c. per barrel at terminal and 85c. per barrel delivered alongside. Price to industrial plants was $1.46 per barrel.

Tulsa—August 29

Demand for gasoline became heavier and shipments increased materially. Prices in group 3 were still unsettled. The Central refining area became firmer and refiners in Illinois increased quotations on third grade from 4½c. to 4¾c. per gallon. Lubricating oils were in better demand as was kerosene and furnace oils.

GASOLINE—Movement at the highest point of the year with prices still unsteady but unchanged in group 3. Third grade in Illinois advanced ¼c. to 4¾c.

KEROSENE—Increasing shipments followed a broader demand.

FUEL AND GAS OILS—Heavy demand for residuals. Quotations firmer and movement increasing in all grades. Prices unchanged. Gas oils are unchanged. Heating oil demand is very strong but suppliers are unwilling to sell at present price in view af large consumption promised for later in the year.

LUBRICATING OILS—A broader demand gave firmness.

La. 'Hot Oil' Charges Bring Six Indictments

New Orleans, Aug. 29, 1940

Six men were indicted today by the Orleans Parish grand jury on public scandals charges that were repercussions of the "hot oil" investigations in Louisiana last year. Among those named were former Governor Richard W. Leche of Louisiana and Freeman W. Burford, Dallas, Tex., oil man, who will be brought to this State for arraignment. Leche, Burford and Seymour Weiss, New Orleans hotel executive, were charged with bribery "to influence" State conservation officials on oil production in the rich Rodessa field in Northwest Louisiana.

Skelly Oil Takes Over East Texas Refining Co.

Dallas, Tex., Aug. 27, 1940

The Skelly Oil Company, Chicago, now owns 100 percent of the stock of East Texas Refining Company, this city, and hereafter will operate the local concern as a subsidiary. Freeman W. Burford, who resigned as president of the East Texas company at the last meeting, has been succeeded by William G. Skelly.

Australian Gasoline Produced In New Glendavis Refinery

Sydney, Australia, Aug. 26, 1940

The first gasoline commercially produced in Australia from the Glendavis shale deposits was released today. The deposits yielding more than 100 gallons of oil to the ton. The Glendavis plant is expected to produce 30,000 to 35,000 gallons of gasoline daily, and present plans call for tripling of this output, making it 30,000,000 gallons yearly.

Doherty Scholarships Given

The Henry L. Doherty Educational Foundation has awarded six new scholarships for the college year 1940-41 beginning September 1. Scholarships went to sons and daughters of the organization's personnel in six States and were based on the scholastic background of the applicants.

Phillips Co. Gas Line Explodes Injuring Fifteen

Buffalo, Okla., Aug. 28, 1940

The explosion of a Phillips Petroleum Company gas line today burned fifteen workmen, five possibly fatally. They were repairing a leak in the line, which extends from Borger, Tex., to St. Louis.

La. and Miss. May Join Oil Compact Commission

Oklahoma City, August 23, 1940

The Interstate Oil Compact Commission, which now embraces seven States, may be broadened to include Louisiana and Mississippi, it was indicated at today's Fall meeting. The Louisiana legislature has already passed a bill authorizing their State to become a member and H. H. Morse, member of the Mississippi Oil and Gas Board said today there was a hope of his State joining.

Members of the commission adopted a resolution urging states to hold production 5 percent below the Federal Bureau of Mines estimate of demand for the next four months in order to prevent waste. Earlier, H. B. Fell, executive vice-president of the American Petroleum Institute, had urged a cut of about 100,000 barrels for September. Other institute officials were Fred Van Covern, director of the department of statistics, who spoke on the improved levels of inventories of furnace oils and other light oils, and W. R. Boyd, Jr., executive vice-president, who told members the American petroleum industry will be fully-prepared to meet both military and civilian needs for oil and its products should this country become embroiled in a war.

Trade Briefs

Louark Producing Company has been formed by the Standard Oil Company of Louisiana, to take over all producing business formerly conducted by the parent corporation.

Joseph C. Boucher, a Tyngsboro, Mass., gasoline station operator, has been fined $50 for selling $1.02 worth of gasoline for $1 on three different occasions.

Philco Oil Company's plant, Los Angeles, was swept by fire recently, causing damage estimated at $150,000. The blending plant, two large tank trucks and 5,000 gallons of gasoline were destroyed.

Maritime Petroleum Corporation, this city, has filed a certificate at Albany adding to its capital stock 500 shares preferred stock $100 par value and 100 shares common stock non par value remaining same as heretofore.

Reclaiming lubricating oil would be subject to the Federal tax on producing lubricating oil under the terms of a bill (H.R. 10414) introduced in Congress by Representative Wesley Disney of Oklahoma.

Charles A. McCulloch of this city has been named to the executive committee of the Texas Corporation, succeeding Captain Torkild Rieber, who recently resigned. C. E. Olmsted, vice-president of the latter firm, has been named to the directorship vacated by Rieber.

Stoddard solvent standard (CS 3-40) which became effective as revised for new production from June 20, has been issued in printed form by the National Bureau of Standards. Copies may be procured at 5 cents each from the Superintendent of Documents, Government Printing Office, Washington.

SHELL

CRESYLIC ACID

PETROLEUM ORIGIN

MAXIMUM GERMICIDAL ACTION

MINIMUM SKIN IRRITATION

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For Details on Prices and Local Delivery, write

SHELL OIL COMPANY

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Shell Building, St. Louis, Mo.

Shell Building, San Francisco, Cal.

Fertilizer Materials

Imported Nitrate of Soda Bag Price to Be Advanced October 1 —Price of Domestic Undetermined—Both Unchanged Through September — Chicago Blood, Imported Tankage Higher

Chilean nitrate bag premiums over the bulk price will remain unchanged for September but will be advanced on October 1. No reports on the October bag quotation were made regarding the domestic product, although the price of August will continue through September. The October advance of the imported material is believed necessary due to the increased costs of bagging.

Midwstern feed markets were active and stronger last week and a consequent strengthening in feed materials was noted. High-grade ground blood in Chicago and South American tankage were advanced. Sole other price revision was an advance in cottonseed meal. Sulphate of ammonia remained tight despite continually increasing production. July output totaled 121,436,000 pounds, compared with 117,028,000 in June and 93,331,000 in July, 1939.

Price Changes

Advanced

Blood, high-grade grd., 15c. per unit, f.o.b. Chi.
Cottonseed meal, 8% grade, spot, $1 per ton, Southeast.
Tankage, imp., S. Amer., 10c. per unit, c.i.f. ports.

Reduced

None.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.0	67.0	67.0	66.3

Market news that may have developed after this report was sent, to press will be found on page 4.

Nitrogenates

Ammonia Phosphate. — Offerings curtailed. Price nominal.

Calcium Nitrate.—Stocks in this country were at a low level, if not entirely depleted. Possibilities of further shipments from abroad seemed remote. Prices were withdrawn and no offerings were made.

Castor Pomace.—Movement into consumption was along slow lines last week. Ordering was limited to small quantities and shipments were irregular.

Cyanamid.—Little material available. Price nominal.

Dried Blood.—High-grade ground feeding material advanced 25c. per unit to $2.50, f.o.b. Chicago. Other grades firm and unchanged.

Fish Scrap.—No large future sales reported. Japanese sardine meal offerings small. All prices steady and unchanged.

Manganese Sulphate.—Producers reported that last week's movement into consumption was fair. Call for material against contracts was beginning to show seasonal influences. Prices were steady and unchanged.

Nitrate of Soda.—Imported nitrate of soda will be advanced 50c. per ton for bag delivery, effective October 1. New prices will be $29.50 per ton for delivery in 100-pound bags and $28.80 for delivery in 200-pound bags. Bulk price will be unchanged at $27 per ton.

Nitrogenous Material.—Demand routine. Price steady.

Sulphate of Ammonia.—Tight. Price firm and unchanged.

Tankage.—Imported product advanced 10c. per unit to level of $2.50 and 10c., c.i.f. for September shipment.

Urea.—Demand for this ammoniate held to fair level during the period under review. Shipments made were mainly in small-sized lots, but were quite regular throughout the week. All prices were reported firm and unchanged.

Potashes

Shipments of muriate and manure salts were fairly heavy and regular last week. There was little new demand in the market. Prices were firm and unchanged.

Phosphates

Bone Materials.—Prices were firm during the period. Demand was at previous levels, except for a better call for feed material.

Phosphate Rock.—Shipments against contracts were routine last week. There was no noticeable pick-up in spot call. Prices were steady and unrevised.

Superphosphate.—Sales volume fair. Shipments more or less regular. Prices steady and unchanged.

Sulphur and Pyrites

The movement of crude sulphur remained satisfactory to prominent suppliers, although demand for shipments continued to fall off. Volume shipped into consumption during the week was good. Price was steady and unchanged. Output of by-product sulphuric acid at copper and zinc plants in 1939, in terms of 60 degrees Baume acid, amounted to 778,441 short tons, according to the Bureau of Mines. The acid reported is only that produced from the sulphur content of the sulphide ores. The figures are exclusive of acid made from the pyrites concentrates in Montana and Tennessee. In addition, 102,663 tons of sulphuric acid were made at zinc plants from 26,500 tons of sulphur, indicating a large increase in the use of sulphur for boosting the recovery of acid at zinc plants over the low rate of 1938.

Markets at Other Centers

Atlanta—Aug. 28

August has been very quiet in the fertilizer materials market. September is expected to develop some trade in phosphatic fertilizers for small grain crops. Quotations are as follows:—

SUPERPHOSPHATE—52c. per unit, interior producing points.

SULPHATE OF AMMONIA—$28 per ton, port basis.

COTTONSEED MEAL—8 percent grade, spot, $28.50 Southeastern points.

BLOOD—$2.50 per unit, Chicago; $2.45, S. Am. ports.

TANKAGE—Imported, $2.50 and 10c. port basis.

Baltimore—Aug. 28

The market for crude fertilizer materials is gradually shrinking with the trade mainly a chemical proposition. Quotations are:—

FISH SCRAP—Reports about additional sales are lacking and the price of $3.10 and 10c. per unit-ton, given as the figure at which the last business was done, continues to hold.

SUPERPHOSPHATE — Inactive, with figures still at $8 per ton for 16 percent material, and $8.50 per ton for 16 percent guaranteed supplies.

TANKAGE—Steady, with inquiry restricted. Prices are $2.75 and 10c. per unit-ton f.o.b. Chicago for unground stocks, with ground supplies about $2.25 and 10c.

DRIED BLOOD—Feed stocks are held at $2.50 per unit-ton f.o.b. Chicago, with movement small. South American production is $2.45 per unit.

BONE—Offerings light. Foreign stocks scarce.

Chicago—Aug. 28

The fertilizer materials market is quiet but inclined to be steadier than recently. Material has been moving in moderate volume. Blood movement is a little better. Tankage remains slow. Bone materials business is fair.

BLOOD—Principal grade, $2.50 per unit of ammonia.

TANKAGE—High grade, feeding, $2.75 and 10c.; hoof meal, $2.25 to $2.40; liquid stick, $1 to $1.25.

BONE MATERIALS—Ground, steamed bone, 1¼ and 60 percent, $28; 3 and 50 percent, $29 to $30; 4½ and 50 percent, $30 to $33; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $30 to $35; pork cracklings, $30 to $35; beef cracklings, soft pressed, $27.50 to $32.50; hard pressed cracklings, per unit of protein, $47.50 to $52.50.

San Francisco—August 28

Fertilizer materials are continuing in a routine groove here, and prices are registering little change. There is firmness in organics, with buying moderate and supplies moving out well. Ruling prices are:—

SULPHATE OF AMMONIA.—$38 per ton in 100-pound bags, delivered inland points.

SUPERPHOSPHATE. — Domestic, 80c. per unit in bulk, f.o.b. San Francisco. Bags quoted at 91c. per unit.

★ Domestic MADE IN U.S.A.
THE BARRETT COMPANY
40 RECTOR ST., NEW YORK
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR

SULPHUR GOES FLYING

In the sixth century A. D. a Chinese physician mixed sulphur with gold, cinnabar and asurite, and concocted what he called a "flying elixir". One drink of it, he predicted, would enable a man to fly. Needless to say, the effect of the elixir was gastronomical instead of aeronautical.

If he were alive today, however, the physician might derive some consolation from the fact that sulphur does help man to fly, aiding in such processes as vulcanization of rubber for tires and other airplane parts, pickling of some of the metals and production of high-test aviation fuel.

From almost as far back as the first time sulphur went flying, we have supplied consumers with a 99½ per cent pure product, mined from deposits on the Gulf Coast and free from arsenic, selenium and tellurium.

FREEPORT SULPHUR COMPANY
122 East 42nd Street New York City

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

NITRATE OF SODA.—100-pound bags, $29 per ton and 200-pound bags, $28.30 per ton, both ex vessel or warehouse. Bulk lots at $27.

FISH MEAL.—Spot California sardine meal, old crop, $47 per ton for 67% protein material; $42 for futures, f.o.b. cars, San Francisco. Monterey, 65% protein at $41, future delivery.

TANKAGE.—Unground, fertilizer, wet rendered, domestic, $2.60 and 10c. per unit-ton, f.o.b. plant, Northern California. Dry rendered, ground, 50%, $32.50 per ton, f.o.b. cars, South San Francisco. Argentine, 50% ground, $31 per ton ex dock, San Francisco; 65%, $36. Unground, domestic, dry, 47½c. to 50c. per unit of protein, f.o.b. cars, South San Francisco.

BLOOD MEAL.—$2.60 per unit, f.o.b. cars, San Francisco or Los Angeles.

Ammonia Sulph. Wanted

The government of the Canary Islands desires 3,000 tons of ammonia sulphate, c.i.f. Tenerife. Payment is to be made in pounds, documents, New York, according to advices to the Department of Commerce from the American consul in Tenerife. The government will purchase this requirement through a resident agent, Manuel Beautell, whose cable code address in Tenerife is Fertil. Bids should include a 10 percent commission.

U.S. Phosphoric Made Tennessee Corp. Division

U. S. Phosphoric Products Corporation, a subsidiary of the Tennessee Corporation, has been dissolved, and assets and obligations taken over by the latter. Business under same management as formerly will be carried on under the name of U. S. Phosphoric Products division of Tennessee Corporation.

Corporation Earnings Recently Reported

	Period.	1940 Net income.	1940 Per share.	1939 Net income.	1939 Per share.
American Cyanamid Co.	6 Mos.	$3,024,128	$1.11	$2,149,714	$0.80
American Potash & Foundry Co.	6 Mos.	921,147	1.74	1,338,667	2.53
American Smelting & Ref. Co.	6 Mos.	6,405,920	2.12	5,429,674	1.68
American Zinc, Lead & Smelting Co.	6 Mos.	253,640	.12	86,153	...
Armstrong Cork Co.	6 Mos.	2,114,655	1.42	1,520,153	1.00
Archer-Daniels Midland Co.	Year	3,047,015	5.41	1,839,482	3.02
Asbestos Manufacturing Co.	6 Mos.	58,657	...	31,076	...
Celanese Corp.	6 Mos.	4,522,580	2.94	3,027,774	1.74
Chickasha Cotton Oil Co.	Year	100,159	.39	*119,156	..
Coca-Cola International Corp.	6 Mos.	2,500,008	11.61	2,148,253	9.72
Colgate-Palmolive-Peet Co.	6 Mos.	1,278,230	.45	1,981,038	.66
Compressed Industrial Gases, Inc.	6 Mos.	213,581	.81	116,116	.44
Dewey & Almy Chemical Co.	6 Mos.	272,773	1.02	247,906	1.00
Eagle-Picher Lead Co.	6 Mos.	410,309	.44	374,977	.40
Hecla Mining Co.	6 Mos.	363,632	.36	95,911	.10
Lehn & Fink Products Corp.	6 Mos.	300,033	.75	307,666	.77
McKeesport Tin Plate Corp.	6 Mos.	287,993	.40	234,678	.32
Mead Johnson & Co.	6 Mos.	816,240	4.59	904,575	5.12
National Container Corp.	6 Mos.	562,872	1.70	87,946	.27
Ohio Oil Co.	6 Mos.	4,658,397	.55	*142,559	...
Pan American Pet. & Trans. Co.	6 Mos.	3,905,997	.83	1,500,274	.32
Paraffine Cos., Inc.	Year	1,713,020	3.40	1,427,897	2.80
Parke, Davis & Co.	6 Mos.	3,869,085	.79	4,622,618	.94
Pennsylvania Salt Mfg. Co.	Year	1,726,874	11.51	1,294,087	8.63
Phelps Dodge Corp.	6 Mos.	5,804,538	1.14	4,601,038	.91
Richfield Oil Corp.	6 Mos.	2,112,479	.53	1,196,129	.30
Signal Oil & Gas Co.	6 Mos.	494,404	2.63	370,876	1.97
South Penn Oil Co.	6 Mos.	1,823,312	1.82	890,192	.89
Standard Oil of Indiana	6 Mos.	20,497,223	1.34	14,979,694	.98
Standard Oil of Kansas	6 Mos.	42,150	.43	*22,379	...
Sterling Products, Inc.	6 Mos.	5,574,424	3.20	5,310,053	3.10
Tennessee Corp.	6 Mos.	652,088	.76	367,296	.43
Texas Gulf Producing Co.	6 Mos.	340,304	.38	267,324	.30
Union Bag & Paper Corp.	6 Mos.	1,592,704	1.26	232,364	.18
Union Tank Car Co.	6 Mos.	1,074,968	.96	976,436	.83
United Carbon Co.	6 Mos.	902,371	2.27	840,861	2.11
United Drug, Inc.	6 Mos.	*26,141	..	*182,302	..
U. S. Rubber Co.	6 Mos.	4,234,239	.94	4,465,397	1.18
Universal Consolidated Oil Co.	6 Mos.	161,709	.81	370,926	1.85
Vanadium Corp. of America	6 Mos.	916,690	2.43	380,095	1.01
Virginia-Carolina Chemical Corp.	Year	615,460	..	513,798	..
Vulcan Detinning Co.	6 Mos.	267,741	6.85	202,667	4.83
West Virginia Pulp & Paper Co.	9 Mos.	1,875,798	1.30	400,289	..
White (S.S.) Dental Manufacturing Co.	6 Mos.	120,991	.41	51,447	.17

* Deficit.

Pyrethrum Harvesting High Cost Factor

—*Continued from page 3*

vice-president of the company, as follows:—

Cost for materials in hotbed, seed, fertilizer, etc.	$37.99
Labor, planting and irrigating	104.88
Team labor	17.11
Sulphate	5.40
Water	40.53
Harvesting	115.22

If reduction of the harvesting cost can be effected by the new mechanical picker recently developed by the United States Department of Agriculture, the chemurgic council feels that pyrethrum can be grown profitably in this country. In respect of certain items of expense it is pointed out that the pyrethrum plant is a perennial and will continue to yield for several years.

Mr. Sedelmeier expressed his conclusions as follows:—

The results of the test planting indicate that this crop has great possibilities for a family that has a greater part of its own labor, or for neighbors if they wish to operate on more or less of a cooperative basis. There would be a very serious question in our minds as to whether or not the crop would not pay over a long period, especially if production could be increased up to the sixth year, as has been claimed. You will notice that the cost figures include two years expense, with only one years return on crops.

Latin America Must Export

—*Continued from page 3*

of the bananas, 65 percent of the cacao, 60 percent of the coffee, sugar, and manganese, 40 percent of the nitrates, 25 percent of the canned meats, and 20 percent of the quebracho extract. In addition, the United States purchases from Latin America large quantities of hides and skins, wool, petroleum and petroleum products, tobacco, flaxseed, babassu nuts, and castor beans. For many of these products Latin America is the most important source of United States imports. That area supplies practically all United States imports of bananas, coffee, chicle, nitrate, henequen, quebracho, castor beans, and babassu nuts. It also supplies 75 percent of United States imports of cattle hides, about 50 percent of the imports of cacao, 35 percent of the imports of raw wool, and nearly 25 percent of the imports of manganese.

Part III of the commission's report on the foreign trade of Latin America, issued in two volumes, contains a series of digests of information on thirty important Latin American export commodities which account for by far the major portion of the value of all Latin American exports. For each commodity there is a discussion of the relative position of Latin America in world production; exports from Latin America; trade barriers, competitive conditions, and prices; and the effects of the European war. Statistics of total exports from each important producing country and of exports to principal markets in specified years, 1929 to 1938, are shown, as well as statistics of production when available.

Part I of the commission's report was recently released and was translated into Spanish for use at the Havana conference. Three sections of part II of this report, dealing with the commercial policies and the trade relations of Argentina, Brazil, and Chile, have also been released. Sections for each of the other countries of Latin America are now nearing completion and will be issued in the near future.

Copies of these reports are available at the office of the United States Tariff Commission, Washington, and at the commission's office in the Custom house, New York.

Books You Can Use

Ink Technology

Printing Inks. By Carleton Ellis. Cloth; 560 pages, 6 by 9 inches. New York: Reinhold Publishing Corporation. $7.

The ink manufacturing industry, as many other industries, has felt the influence of synthetic resins and other technicological developments of recent years in the formulation of its products. The purpose of this volume is stated as to meet the needs of chemists and industrial workers for a modern, comprehensive discussion of the entire subject of printing inks, including the various applications of synthetic resins and other new materials.

Two very helpful divisions of the new treatise are a glossary of terms used in printing, and a complete index of the contents. The glossary defines such terms as are frequently used in the field, and should prove especially interesting to those wishing to learn something of printing inks in the shortest possible time. The index, as in other volumes by the author, is all-inclusive, multiplying many times over the value of the work for reference purposes.

Latex Data

Rubber Latex. By Henry P. Stevens and W. H. Stevens. Cloth; 224 pages, 5¼ by 8½ inches. New York: Chemical Publishing Company. $2.

This is the first American edition of a volume which has gone through four editions in England. Intended as a practical and useful book on rubber latex and its industrial applications, the book, among other things, contains recent information on the chemically modified rubbers from latex, microscopic descriptions and illustrations, analytical determinations, and preservatives suitable for latex compounding.

Contentswise the book discusses the source and production of latex; its conversion to rubber; its composition, stabilization, and coagulation; the manipulation, compounding, and vulcanization of latex materials; the manufacture of latex products, including those produced by dipping and electrodeposition; and the marketing of latex. A valuable portion following the comprehensive discussions reviews the patents concerning latex and presents a bibliography of relevant literature.

Goodrich Honors Scientists

Watson Davis, director of Science Service, and Charles Greeley Abbot, celebrated astrophysicist and secretary of the Smithsonian Institution, have been given the Goodrich Award for Distinguished Public Service. The presentation was made at the world fair here. In his acceptance, Mr. Davis said that "we must meet the threat of force perverting science," and constantly reaffirm that "the scientific way is the democratic way." Tests of reason and experience, he declared, can weed out the charlatan, the incompetent and the unworthy in high and low places "if we see to it that democracy is free to operate." Dr. Abbot revealed that 2,000,000 persons a year go to Washington to view the exhibitions selected from the 17,000,000 specimens of fauna, flora, geology, and anthropology which the Smithsonian Institution has gathered from every corner of the earth.

Organic Chemicals Listed In New Paragon Lab. Catalog

The Paragon Testing Laboratories has issued a new catalog listing the items manufactured by its fine organic chemicals division. The first portion of the volume is devoted to fine organic chemicals; the second portion list contains a comprehensive list of spot test reagents. Copies of the catalog may be obtained by addressing the Paragon Testing Laboratories, Orange, N. J., mentioning the REPORTER.

Shipping Information

All matter under this heading fully protected by copyright

Imports at U.S. Ports

New York Imports

AGAR—10 bls, A G Dunn, Japan
15 bls, Kachurin Drug Co, Japan
10 bls, A G Dunn, Japan

ALBUMEN, EGG, HEN—28 cs, Bridges, Neumer & Co, Japan
30 cs, Japan

ALOE—60 cs, Guaranty Trust Co, Durban

ANTIMONY ORE—775 bgs, W R Grace & Co, Arica

ARSENIC, WHITE—500 cs, Japan

ASBESTOS—65 bgs, Watson, Geach & Co, Durban
400 bgs, Raw Asbestos Distr, Durban
1,334 bgs, Raw Asbestos Distr, Durban
3,667 bgs, Raw Asbestos Distr, Durban
1,767 bgs, Raw Asbestos Distr, Durban

BAUXITE—75 bgs, Berbice Co, Ltd, Curacao

BEARBERRY LEAVES—130 bls, Kachurin Drug Co, Alicante
46 bls, Alicante

BEEF EXTRACT—200 cs, W Fischer, Inc, Buenos Aires

BRISTLES—50 cs, R Schwarz, Japan
20 cs, Chase Natl Bank, Japan
20 cs, Philadelphia Natl Bank, Japan
110 cs, F Kanematsu, Japan
25 cs, R J Shapiro, Japan
30 cs, Corn Exchange Bank Trust Co, Japan
25 cs, J Henry Schroeder Banking Corp, Japan
20 cs, Japan
10 cs, Chase Natl Bank, Japan
28 cs, H Rosenhirsch & Co, Japan
28 cs, Bingham & Co, Japan

BUCHU LEAVES—10 bls, J L Hopkins & Co, Durban

CANARY SEED—403 bgs, D S Transportation Co, Buenos Aires
164 bgs, Hinton & Co, Buenos Aires

CARDAMOM—40 cs, Colombo

CASEIN—500 bgs, T M Duche & Sons, Buenos Aires
417 bgs, T M Duche & Sons, Bueros Aires
2,500 bgs, American British Chemical Supplies, Buenos Aires
417 bgs, T M Duche & Sons, Buenos Aires

CASSIA—279 bls, Catz American Co, Tandjong Priok

CASTOR BEANS—1,700 bgs, Mitsui & Co, Bahia
849 bgs, Bahia
1,818 bgs, Baker Castor Oil Co, Santos
2,541 bgs, Baker Castor Oil Co, Rio Janeiro
267 bgs, Baker Castor Oil Co, Rio Janeiro
1,450 bgs, Baker Castor Oil Co, Rio Janeiro
300 bgs, Gonaives

CHEMICALS—33 dms, Sandoz Chem Works, Japan

CHILLIES—230 bgs, Brazilian Warrant Co, Mombasa
69 bgs, Mombasa
138 bgs, Mombasa
33 bgs, Mombasa
38 bgs, Brazilian Warrant Co, Mombasa

CHROME ORE—1,501 tons, 11 cwts, F H Samuels, Mombasa
506 tons, 13 cwts, Philadelphia Natl Bank, Mombasa
512 tons, 5 cwts, E J Lavino & Co, Mombasa
1,634 tons, 8 cwts, E J Lavino & Co, Mombasa

CINNAMON—330 bls, Volkart Bros, Colombo

CLOVES—145 bgs, Catz American Co, Tandjong Priok
48 bls, McLaughlin, Gormley & King, South Africa
160 bls, Geo Uhe & Co, South Africa
500 bls, National City Bank, South Africa
200 bls, Greene Trading Co, South Africa
200 bls, A G Dunn, South Africa
100 bls, National City Bank, South Africa

COBALT ORE—2,300 bgs, Deloro Smelting & Refg Co, South Africa

COCOA BEANS—177 bgs, Semarang
1,000 bgs, General Cocoa Co, Bahia
2,500 bgs, A C Israel Commodity Co, Bahia
500 bgs, Wessel, Kulenkampf & Co, Bahia
2,000 bgs, Nieschlag & Co, Bahia
1,000 bgs, S A Schoenbrum & Co, Bahia
600 bgs, South American Product Co, La Guaira
150 bgs, W R Grace & Co, La Guaira
300 bgs, Nieschlag & Co, La Guaira
1,500 bgs, W R Grace & Co, Guayaquil
550 bgs, A Canale, Guayaquil
550 bgs, Guayaquil
500 bgs, W R Grace & Co, Guavaquil
250 bgs, General Cocoa Co, Trinidad
300 bgs, Royal Bank of Canada, Trinidad
650 bgs, Daarnhouwer & Co, La Guaira
1,000 bgs, Cristobal
382 bgs, Cristobal
250 bgs, A Canale, Cristobal
80 bgs, Pablo, Calvet & Co, Cristobal
462 bgs, Kennedy, Butcher & Co, Port Spain
30 bgs, Lopez & Mangual, Maracaibo
500 bgs, Daarnhouwer & Co, La Guaira
670 bgs, Daarnhouwer & Co, La Guaira
500 bgs, Antoni & Co, Curacao
300 bgs, Curacao
250 bgs, Antoni & Co, Curacao
2 pkgs, Meyer & Co, Puerto Cabello
28 bgs, Jeremie

COCONUTS—390 bgs, General Food Corp, Kingston
100 bgs, Universal Import & Export Co, Kingston
800 bgs, General Food Corp, Kingston
350 bgs, General Food Corp, Kingston
500 bgs, I L Toledano Corp, Cristobal

COPAIBA BALSAM—10 cs, Geo Uhe & Co, Cristobal
7 dms, W R Grace & Co, Cristobal
13 cs, Orbis Product Corp, Itacoatiara
75 cs, Orbis Product Corp, Manaos
60 cs, Frank B Ross Co, Manaos

CORK—92 bgs, Mundet Cork Corp, Lisbon
63 bgs, Grace Line, Lisbon
33 bgs, New York & Cuba Mail S S Co, Lisbon

STOPPERS—15 bls, T Terrer, Barcelona
40 bls, Bisbe Cork Co, Barcelona

VIRGIN—310 bls, Mundet Cork Corp, Lisbon
202 bls, Mundet Cork Corp, Lisbon
740 bls, Mundet Cork Corp, Lisbon
67 bls, Mundet Cork Corp, Lisbon
250 bls, Mundet Cork Corp, Lisbon

CORK WASTE—300 bls, Mundet Cork Corp, Lisbon
160 bls, National City Bank, Lisbon
218 bls, National City Bank, Lisbon
802 bls, National City Bank, Lisbon
171 bls, Mundet Cork Corp, Lisbon
269 bls, National City Bank, Lisbon

WOOD—282 bls, Mundet Cork Corp, Lisbon
6 bls, Lisbon
273 bls, Chase Natl Bank, Lisbon
450 bls, Cork Trading Corp, Lisbon
19 bls, Lisbon
12 bls, Arco Crown Cork Corp, Lisbon
88 bls, New York & Cuba Mail S S Co, Lisbon
70 bls, United Fruit Co, Lisbon
1,738 bls, Mundet Cork Corp, Lisbon
1,003 bls, Mundet Cork Corp, Lisbon
788 bls, Mundet Cork Corp, Lisbon
3,387 bls, Cork Import Co, Oporto

CORUNDUM ORE—5,015 bgs, American Abrasive Co, Mombasa

COTTON LINTERS—500 bls, Anderson, Clayton & Co, Santos
242 bgs, Santos
1 pkg, Gillespie & Co, Santos
6 bgs, J E Bernard & Co, Santos
500 bls, Anderson, Clayton & Co, Santos

CUBE ROOT—1 bg, Cristobal

DERRIS ROOT—37 bls, R J Prentiss & Co, Singapore
37 bls, Singapore
37 bls, R J Prentiss & Co, Singapore
15 bls, Mombasa

DRUGS—3 cs, E Fougera & Co, Vera Cruz

DYESTUFF—35 kegs, Japan

EGG YOLK, HEN—5 cs, F Kanematsu, Japan

ERGOT—40 cs, S B Penick & Co, Oporto
22 dms, S B Penick & Co, Lisbon
40 cs, S B Penick & Co, Lisbon
45 cs, S B Penick & Co, Lisbon
90 cs, S B Penick & Co, Oporto

FLEASEED—35 bls, Alicante

GASOLINE—7 cyls, Texas Co, Buenos Aires

GENTIAN ROOT—104 bls, Bilbao
1 bl, L F Poirier, Vigo
223 bls, Manufacturers Trust Co, Vigo
217 bls, Bilbao

GINGER ROOT—54 bgs, A G Dunn, Kingston
24 bgs, United Fruit Co, Kingston

GLANDS—82 cs, Tupman, Thurlow & Co, Buenos Aires

GLUE—4 cs, Le Page, Inc, Vera Cruz

GLYCERIN—50 dms, Fairclough, Dood & Jones, Buenos Aires

GRAPHITE—372 bgs, Asbury Graphite Mills, Colombo

GREASE WOOL—5 dms, Bank of New South Wales, Adelaide
20 dms, E S & A Bank, Melbourne

GUM, CHICLE—73 pkgs, Chicle Development Co, Kingston

COPAL—70 bgs, O G Innes Corp, Singapore

DAMMAR—50 cs, G W S Patterson & Co, Tandjong Priok
100 bgs, Stroock & Wittenberg, Tandjong Priok
210 bgs, O G Innes Corp, Singapore
50 cs, O G Innes Corp, Singapore
210 bgs, Thurston & Braidich, Singapore
50 cs, O G Innes Corp, Singapore

YACCA—135 bgs, Commercial Bank of Australia, Adelaide
570 bgs, S Winterbourne & Co, Adelaide
745 bgs, Commonwealth Bank of Australia, Adelaide

HOREHOUND HERBS—97 bls, S B Penick & Co, Alicante

IPECAC ROOT—97 bls, Oscar Hinrichs, Bahia

KOLA NUTS—55 bgs, J A Manton, Kingston
110 bgs, J W Lyons & Co, Kingston
24 bgs, Peek & Velsor, Kingston
100 bgs, D Steengrafe, Kingston

LIME JUICE—33 cks, United Fruit Co, Kingston
6 cks, W M Allison & Co, Port Spain

MANGROVE BARK—563 bgs, Mombasa
331 bgs, Barkev Import Co, Mombasa
2,540 bgs, Chase Natl Bank, Mombasa

MATCHES, SAFETY — 741 cs, Atlantic Freighting Corp, Petsamo
1,676 tins, United Fruit Co, Petsamo
500 pkgs, Biddle Purchasing Co, Petsamo

MATE—150 cks, Rio Janeiro

MEDICINAL PREPS—1 cs, Eli Lilly & Co, Barranquilla
3 cs, Bank of Australia, Sydney

MICA—29 cs, Siegfried Cussel, Rio Janeiro
7 cs, A O Schoonmaker Insulation Co, Rio Janeiro
23 cs, National City Bank, Santos
30 cs, Santos
42 cs, American Mica Works, Victoria

BLOCK—13 cs, Ford Karles & Mica Corp, Calcutta
72 cs, Heyman Soeldner, Calcutta

SPLITTINGS—71 cs, Heyman Soeldner, Calcutta
50 cs, Heyman Soeldner, Calcutta

MURU MURU KERNELS—834 bgs, General Food Corp, Para
4,135 bgs, General Food Corp, Para

MUSTARD SEED—822 bgs, B H Old & Co, Japan

NIGER SEED—67 bgs, Colombo
870 bgs, Colombo

NUTGALLS—70 bgs, Japan

NUTMEGS—113 bgs, Tandjong Priok
223 bgs, Corn Exchange Bank Trust Co, Tandjong Priok
338 bgs, New York Trust Co, Tandjong Priok

OIL, CINNAMON LEAF—3 dms, Volkart Bros, Colombo
10 dms, R C Treatt & Co, South Africa

CITRONELLA—12 dms, Procter & Gamble, Colombo
15 dms, Bank of Manhattan, Colombo

COD—20 dms, Canada

CODLIVER—135 dms, Iceland

ESSENTIAL—1 dm, Magnus, Mabee & Reynard, Kingston
1 dm, Ungerer & Co, Kingston

EUCALYPTUS—11 dms, MacCoy Sales Co, Melbourne
100 cs, MacCoy Sales Co, Melbourne
11 dms, MacCoy Sales Co, Melbourne
11 dms, Bank of Australasia, Sydney

MINT—6 cs, Japan

ORANGE—19 cs, Ungerer & Co, Kingston

PEANUT—693 tons, Mitsui & Co, Tsingtao
695 tons, Tsingtao

ROSEMARY—16 dms, Dodge & Olcott Co, Alicante

ROSEWOOD—2 dms, Para

THYME—2 dms, Dodge & Olcott Co, Alicante

OXIDE ORE—3,000 bgs, Mineral Pigment Co, Singapore

PAPAIN—2 cs, Mombasa

PAPRIKA—20 bgs, J Henry Schroeder Banking Corp, Lisbon
185 bgs, Lisbon
25 bgs, Lisbon
50 bgs, A F Payne & Co, Vera Cruz

PETROLEUM, CRUDE—7 cyls, Texas Co, Buenos Aires

PIMENTO—100 bgs, G T German, Kingston
100 bgs, A G Dunn, Kingston
300 bgs, J W Lyon & Co, Kingston
250 bgs, A G Dunn, Kingston
50 bgs, E F Leveen Co, Kingston
100 bgs, Van Norden & Archibald, Kingston
50 bgs, J A Manton, Kingston
100 bgs, O Gerdau Co, Kingston
28 bgs, United Fruit Co, Kingston

PYRETHRUM FLOWERS—200 bls, J Powell & Co, South Africa
1,500 bls, Mombasa
1,125 bls, Mombasa
250 bls, Mombasa
46 bls, South Africa
30 bls, Joosten & Janssen, South Africa

PYRITES, IRON—2,620 bgs, Funchal

QUEBRACHO EXTRACT—250 bgs, Buenos Aires
400 bgs, Tannin Corp, Buenos Aires

QUICKSILVER — 31 flasks, Chase National Bank, Vera Cruz
61 flasks, Mercantile Metal & Ore Co, Vera Cruz

QUINCE SEED—3 bls, Alicante

ROCK CRYSTAL—16 cs, National City Bank, Santos

SAFFRON FLOWERS — 64 cs, V Sobrini, Funchal

SANDALWOOD—132 bgs, Colombo
BILLETS—960 bgs, Colombo

SAPONIN—31 cs, W R Grace & Co, Valparaiso

SCHEELITE ORE—440 bgs, Philipp Bros, Arica
195 bgs, Buenos Aires
156 bgs, Buenos Aires
20 bgs, Watson, Geach & Co, Durban

SEAWEED—2,746 bgs, England

SENNA LEAVES—52 bls, Colombo
94 bls, Colombo

SHELLAC—200 bgs, Montrose Corp, Calcutta
300 bgs, Carleton & Moffatt, Calcutta
350 bgs, Carleton & Moffatt, Calcutta
225 bgs, Wm Zinsser & Co, Calcutta
100 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
200 bgs, A Hurst & Co, Calcutta
200 bgs, Ralli Bros, Calcutta
100 bgs, Mac Lac Co, Calcutta
200 bgs, E J Cornelis Co, Calcutta
300 bgs, A Hurst & Co, Calcutta
250 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
200 bgs, A Hurst & Co, Calcutta
200 bgs, Montrose Corp, Calcutta
500 bgs, Montrose Corp, Calcutta
800 bgs, E J Cornelis Co, Calcutta

SPEEDLAC—600 bgs, Ralli Bros, Calcutta
250 bgs, Bank of London-South America, Calcutta
200 bgs, Wm Zinsser & Co, Calcutta
200 bgs, Schwab Bros, Calcutta
100 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
200 bgs, Brown Bros-Harriman Co, Calcutta
200 bgs, Dings & Schuster, Calcutta
600 bgs, Wm Zinsser & Co, Calcutta
900 bgs, E J Cornelis Co, Calcutta

SOAP—40 cs, Procter & Gamble Co, Buenos Aires

SOAP BARK—176 bls, Duncan Fox & Co, San Antonio

SPONGES—6 bls, Vera Cruz
3 bls, Mantos Bros, Vera Cruz

TALC—10 bgs, Lunham & Reeve, Japan

TANKAGE—1,120 bgs, Tupman, Thurlow & Co, Buenos Aires
10,160 bgs, Tupman, Thurlow & Co, Buenos Aires
1,976 bgs, Tupman, Thurlow & Co, Buenos Aires
510 bgs, Wilson & Co, Santos
1,814 bgs, Armour & Co, Montevideo

TAPIOCA FLAKE—428 bgs, Stein, Hall & Co, Sourabaya
420 bgs, Stein, Hall & Co, Sourabaya

FLOUR—7,329 bgs, Stein, Hall & Co, Sourabaya
1,000 bgs, Bank of New York, Sourabaya
20 bgs, Murbos Trading Co, Vera Cruz
260 bgs, Morningstar-Nicol, Vera Cruz

SEED—603 bgs, Stein, Hall & Co, Sourabaya

TARTAR—230 bgs, Charles Pfizer & Co, Bilbao
273 bgs, Charles Pfizer & Co, Bilbao

TIN BARRILLO—1,000 bgs, A G Gibbs, Arica
244 bgs, A G Gibbs, Arica

ORE—1,800 bgs, Laidlaw & Co, Lisbon

TONKA BEANS—20 cks, Kennedy, Butcher & Co, Port of Spain
3 cs, Polaks Frutal Works, Para

TUNA LIVERS—20 bbls, Chase Natl Bank, Lisbon

TUNGSTEN ORE—8 dms, Vera Cruz

TURMERIC—26 bgs, H P Winter & Co, Jacmel
FINGERS—200 bgs, Colombo

UVA URSI LEAVES—159 bls, Alicante

VANILLA BEANS—62 cs, Dodge & Olcott Co, Vera Cruz

WATTLE BARK—2,869 bls, Hammond & Carpenter, Mombasa
373 bls, Hammond & Carpenter, Mombasa

WAX, BEES—80 bgs, Van Oppen & Co, Santos
69 bgs, W R Grace & Co, San Antonio
23 bgs, W R Grace & Co, Valparaiso
21 bls, Pan American Export & Import Co, Puerto Barrios
100 bgs, Wessel, Duval & Co, Rio Janeiro
41 bgs, Rio Janeiro
84 bgs, Wessel, Duval & Co, Rio Janeiro
84 bgs, Rio Janeiro

CARNAUBA—68 bgs, Smith & Nichols, Bahia
84 bgs, E A Bromund Co, Bahia
75 bgs, Neuberg Chem Corp, Rio Janeiro
63 bgs, Neuberg Chem Corp, Rio Janeiro
35 bgs, Bahia

CUPICURY—133 bgs, Guaranty Trust Co, Bahia

SPERMACETTI—100 cs, Strohmeyer & Arpe Co, Japan

WINE LEES—593 bgs, Charles Pfizer & Co, Funchal

WOLFRAM ORE—11 bbls, Brown Bros Harrimann Co, Funchal
14 bbls, Brown Bros Harrimann Co, Funchal
215 bgs, Buenos Aires
185 bgs, Buenos Aires
204 bgs, Buenos Aires
bon
12 bbls, Brown Bros Harrimann Co, Lis-
60 bbls, Chase Natl Bank, Durban

New York Transit Imports

CANARY SEED — 500 bgs, Buenos Aires, Montreal

CASEIN—200 bgs, Bank of Adelaide, Melbourne, Montreal

CHROME ORE—837 tons, 6 cwt, E J Lavino & Co, Mombasa, Newport News
385 tons, 19 cwt, E J Lavino & Co, Mombasa, Newport News

COTTON LINTERS — 925 bls, West Texas Cottonoil Co, Santos, Houston

ERGOT—40 cs, Eli Lilly & Co, Lisbon, Indianapolis
70 tins, Eli Lilly & Co, Lisbon, Indianapolis

GELATIN—600 cs, English, Scottish & Australia Bank, Sydney, Montreal

FILTER PAPER—21 cs, J E Bernard & Co, Petsamo, Chicago

GENTIAN ROOT—47 bls, Allaire, Woodward & Co, Vigo, Peoria

GLUE—118 bgs, English, Scottish & Australia Bank, Sydney, Montreal

GUM, YACCA—500 bgs, Union Bank of Australia, Adelaide, Montreal
250 bgs, Union Bank of Australia, Adelaide, Montreal

OIL—4 dms, Bank of New South Wales, Sydney, Montreal

COTTONSEED—529,397 kilos, Swift Canadian Co, Santos, Canada
529,397 kilos, Canada Packers, Ltd, Santos, Canada
641,700 kilos, Swift Canadian Co, Santos, Toronto

EUCALYPTUS—40 cs, W J Bush & Co, Melbourne, Montreal
2 dms, Adelaide, Perth Ontario

OLEIN—110 cks, Bank of Australasia, Melbourne, Montreal

PAPAIN — 47 cs, American Ferment Co, South Africa, Buffalo

STEARIN—240 bgs, Bank of Australasia, Melbourne, Montreal

TALLOW — 135 dms, Bank of New South Wales, Sydney, Montreal

ULTRAMARINE — 333 bbls, Sultana, Ltd, Santos, Montreal

Boston Imports

BONES—118 bgs, Eastman Gelatine Corp, Buenos Aires
1,865 bgs, Armour & Co, Montevideo
862 bgs, Armour & Co, Montevideo
144 bgs, Eastman Gelatine Corp, Buenos Aires
315 bgs, Eastman Gelatine Corp, Buenos Aires

CASEIN—50 bgs, A Hurst & Co, Buenos Aires
50 bgs, A Hurst & Co, Buenos Aires

COTTON LINTERS—607 bls, Santos
119 bls, Santos
429 bls, Santos

MICA SCRAP—500 bgs, Fuerst Bros, South Africa

QUEBRACHO EXTRACT—1,000 bgs, International Product Corp, Buenos Aires
1,000 bgs, Tannin Corp, Buenos Aires

SOAPSTOCK—103 bbls, Swift & Co, Buenos Aires

Baltimore Imports

COTTONSEED MEAL—1,693 bgs, Santos

FISHMEAL—306 bgs, Buenos Aires

IRON ORE—21,300 tons, Bethlehem Steel Co, Cruz Grande
21,800 tons, Bethlehem Steel Co, Cruz Grande

MAGNESITE ORE—13,500 bgs, Dairen

MANGANESE ORE—7,262 tons, Durban

OIL, FUEL—91,000 bbls, Standard Oil Co of N J, G Harrison Smith, Aruba

PETROLEUM, CRUDE—71,719 bbls, Pan American Ref Corp, Las Piedras
37,085 bbls, Standard Oil Co N J, Las Piedras
40,615 bbls, Pan American Ref Corp, Las Piedras

QUEBRACHO EXTRACT—2,100 bgs, Buenos Aires

TANKAGE—1,000 bgs, Buenos Aires
1,816 bgs, Montevideo
1,982 bgs, Buenos Aires

Los Angeles Imports

CARAWAY SEED—55,120 lbs, Buenos Aires

CASSIA—27,000 lbs, Hong Kong

CASTOR BEANS—36,380 lbs, San Salvador

CLOVES—4,440 lbs, Padang

COALTAR PRODUCTS—40 lbs, Yokohama

COCONUT, DESIC—133,370 lbs, Davao
372,000 lbs, Manila
39,510 lbs, Manila

COPRA—2,275,840 lbs, Cebu
MEAL—4,000 bgs, 400,000 lbs, Manila
4,000 bgs, 405,650 lbs, Phil Islands
5,891 bgs, 590,000 lbs, Manila
1,500 bgs, 150,000 lbs, Manila
6,720 bgs, 672,000 lbs, Manila
3,000 bgs 300,000 lbs, Cebu

FISH LIVERS—1,561 tins, 62,440 lbs, Japan
500 tins, 20,000 lbs, Yokohama
195 cs, 13,910 lbs, Callao
394 tins, 15,760 lbs, Yokohama
280 tins, 11,200 lbs, Japan
1,438 tins, 57,520 lbs, Yokohama
100 tins, 4,000 lbs, Kobe
286 tins, 10,640 lbs, Japan
100 tins, 4,000 lbs, Tokyo
128 tins, 5,120 lbs, Japan
1,542 tins, 61,680 lbs, Yokohama

GUM, COPAL—15,680 lbs, Macassar
DAMMAR—40 cs, 8,950 lbs, Macassar

INK—70 lbs, Hongkong
INDIA—230 lbs, Tokio

LIME—79,860 lbs, Vancouver

MEDICINAL PREPS—2 lbs, Yokohama

NUTMEGS—4,000 lbs, Port Spain
4,000 lbs, Port Spain
15,530 lbs, Macassar

OIL, CHINAWOOD—25,870 lbs, Shanghai
CITRONELLA—4,480 lbs, D E I
OITICICA—26,880 lbs, Ceara

PEANUTS, SHELLED—25,000 lbs, Phil Islands
70,000 lbs, Manila
PEPPER—33,090 lbs, Batavia
RICE FLOUR—500 lbs, Yokohama
SESAME SEED—350 lbs, Yokohama
10,000 lbs, Shanghai
STARCH, RICE—1,200 lbs, Yokohama
TOILET PREPS—42 lbs, Hifoshima
WAX, MINERAL—1,694 bgs, 224,030 lbs, Soengi Gerong

New Orleans Imports

COCONUTS—21 tons, Belize

Philadelphia Imports

BAUXITE—2,600 tons, Demerara
BONES—5,467 bgs, Rosario
104 tons, Baugh & Sons, Co, Montevideo
7,895 bgs, Phila National Bank, Rosario
1,143 bgs, Buenos Aires
CANARY SEED—777 bgs, R T French Co, Buenos Aires
CASEIN, GRD—417 bgs, Buenos Aires
CHALK—2,100 tons, London
CHROME ORE—506 tons, Phila National Bank, Lourenco Marques
1,566 tons, E J Lavino & Co, Beira
COCOA BEANS—5,000 bgs, Bankers Trust Co of New York, Bahia
250 bgs, Bank of London & South America, Victoria
7,000 bgs, National City Bank of New York, Bahia
4,000 bgs, Bahia
4,000 bgs, Chase National Bank, Bahia
3,500 bgs, Bank of London & South America, Bahia
500 bgs, Grace National Bank of New York, Bahia
6,500 bgs, Bankers Trust Co of New York, Bahia
1,000 bgs, Bank of Manhattan Co, Bahia
1,000 bgs, Tradesmen's National Bank & Trust Co, Bahia
10,000 bgs, Guaranty Trust Co of New York, Bahia
COTTONSEED MEAL—5,000 bgs, West Texas Cottonseed Oil Co, Santos
CRYOLITE—3,200 tons, Penna Salt Mfg Co, Ivigtut
FLAXSEED—78 bgs, First National Bank of Baltimore, Samarang
GLYCERIN, CRUDE—50 dms, Buenos Aires
GUM, DAMMAR—50 cs, Singapore
IRON ORE—4,000 tons, Chase National Bank, Victoria
MANGANESE ORE—4,000 tons, Coquimbo
MOLASSES—364,183 gls, Publicker Alcohol Co, Boqueron
852,737 gls, Publicker Alcohol Co, Cienfuegos
NUTMEGS—318 bgs, First National Bank of Baltimore, Samarang
OIL, TEANUT—300 dms, Arnhold & Co, Ind, Hongkong
PANCREAS, BEEF—248 cs, Swift & Co, Buenos Aires
PETROLEUM, CRUDE—69,000 bbls, Atlantic Refining Co, Las Piedras
80,476 bbls, Gulf Oil Corp, Puerto la Cruz
STARCH, MANIOC—834 bgs, Phila National Bank, Rio de Janeiro
TAPIOCA FLOUR—268 bgs, Irving Trust Co, Cheribon
250 bgs, Irving Trust Co, Tjilatjap
500 bgs, Chase National Bank, Cheribon
1,600 bgs, Singapore
TITANIUM ORE—444 bgs, Santos
ZIRCON ORE—1,200 bgs, Phila National Bank, Santos

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended August 28

Copaiba balsam, 101 cases; not U.S.P.
Fennel seed, 186 bags; filthy.
Medicinal balsam, 20 cases; restricted use.
Medicinal preparations, 3 packages; new drug.
Nutmegs, 674 bags; restricted use.

Baltimore

Week Ended August 28

Fertilizer mixture, 2,233 bags; restricted use.
Medicinal preparations, 6 packages; dangerous drug, not properly labeled.
Medicinal preparations, 1 case; not properly labeled.

Boston

Week Ended August 28

Fertilizer mixture, 28,537 bags; restricted use.
Medicinal preparation, 1 box; false and misleading statements.

Los Angeles

Week Ended August 29

Medicinal, 1 case; false therapeutic claims.

Philadelphia

Week Ended August 28

Liver extract, 2 packages; not U.S.P.

San Francisco

Week Ended August 29

Medicinal, 200 pieces; false therapeutic claims.

Exports from U.S. Ports

Los Angeles Exports

ACETYLENE—10 cyls, 1,820 lbs, Santa Rosalia
ACID, BORIC—63 bgs, 4,260 lbs, Brisbane
AMMONIAC, SAL—30 lbs, Santa Rosalia
ASPHALT, LIQ—12 pls, 670 lbs, Capetown
SOLID—10 dms, 5,290 lbs, Capetown
BORATE—4,901 bgs, 838,600 lbs, Osaka/Kobe; 7,412 lbs, Liverpool
BORAX—298 bgs, 33,380 lbs, Brisbane; 200 bgs, 22,400 lbs, Adelaide
CALCIUM ARSENATE—40,700 lbs, Callao
CEMENT, RUBBER—1,250 lbs, Hongkong
CHALK, PRECIP—3,080 lbs, Buenaventura
CHEMICALS—880 lbs, Manila
CLAY, WHITE—200 bgs, 22,400 lbs, Cartagena
COALTAR INTERMEDIATES—5,500 lbs, Manila
COTTON LINTERS—90 bls, 57,150 lbs, Vancouver
SOFTENER—880 lbs, Manila
DIATOMACEOUS EARTH—50 bgs, 5,000 lbs, Havana; 3 bgs, 200 lbs, Coquimbo; 2,000 bgs, 200,000 lbs, Havana
FILM SCRAP—9,870 lbs, Liverpool
FIRECLAY—2,240 lbs, Manila
GASOLINE—250 cs, Manila; 750 dms, Manila; 4,800 bbls, Ketchikan; 65 dms, Ketchikan; 500 cs, Manila; 60 dms, Santa Rosalia
AVIATION—32 cs, Ketchikan
GLUE—7 lbs, Havana
GLYCERIN REAGENT—10 lbs, Vancouver
GRAPHITE—250 lbs, Santa Rosalia
GREASE, LUBRIC—73 pkgs, 1,910 lbs, Ketchikan
INSECTICIDE, LIQ—120 lbs, Panama City
KEROSENE—140,308 bbls, Ioco; 75 dms, Ketchikan; 3,000 cs, Manila; 100 dms, Manila
LACQUER—140 lbs, Panama City; 740 lbs, Havana
THINNER—1,760 lbs, Panama City; 880 lbs, Havana
LARD—200 cs, 14,000 lbs, Santa Rosalia
LEAD, RED—1,500 lbs, Santa Rosalia
WHITE—200 lbs, Santa Rosalia
MAGNESIA SILICATE—100 bgs, Guayaquil
MERCURIC CHLORIDE REAGENT—20 lbs, Vancouver
METHYL CHLORIDE—350 lbs, Santa Rosalia
OIL, COTTONSEED—120 lbs, Tokio
COTTONSEED, FLAKE—100 bgs, 10,000 lbs, Panama
DIESEL—13,527 bbls, Manila/Hondragua; 1,475 bbls, Puerto Armuelles; 8 dms, Puntarenas; 10,000 bbls, Ketchikan; 10,642 bbls, Osaka
FISH, FLAKE—100 bgs, 10,000 lbs, Panama; 35,509 bbls, Osaka
FUEL—64,351 bbls, Manila/Hondagua; 9,000 bbls, Ketchikan; 23,212 bbls, Santa Rosalia; 7,497 bbls, Vancouver
FURNACE—750 bbls, Ketchikan
LUBRICATING—161 dms, 54 cs, Ketchikan; 5 dms, Barranquilla; 5 dms, Rio Piedras; 60 cs, 40 dms, Santa Rosalia
PALM, FLAKE—1 bg, 100 lbs, Puntarenas
PAINT—310 lbs, Barranquilla; 750 lbs, Santa Rosalia; 590 lbs, Havana
PARAFFIN, RFD—130 lbs, Santa Rosalia; 1,000 lbs, San Juan del Sur
SEMI RFD—1,000 lbs, San Juan del Sur
PARIS GREEN—5,000 lbs, Havana
PECTIN, CITROUS—60 lbs, Belawan Deli
PETROLEUM, CRUDE—35,419 bbls, Tsuchizaki; 43,088 bbls, Nugata
EMULSIFIED—80 dms, 44,400 lbs, Callao
POTASH MURIATE—999,040 lbs, San Juan
SULPHATE—2,500 bgs, 499,520 lbs, San Juan
SHELLAC, ORANGE—20 lbs, Santa Rosalia
SOAP, LAUNDRY—52,500 lbs, San Juan; 450 lbs, Vancouver
POWDER—230 lbs, Vancouver
SODA ASH—2,200 lbs, Guayaquil; 2,400 lbs, Santa Rosalia
CAUSTIC—3,200 lbs, Santa Rosalia
HYPOCHLORITE SOLUT—5 lbs, Vancouver
SULPHIDE—13,300 lbs, Manila
SULPHUR, GRD—2,000 lbs, Balboa
DIOXIDE—3 dms, 450 lbs, Hong Kong
TALC—250 bgs, 22,400 lbs, Havana
TOILET PREPS—3,900 lbs, Bogota; 770 lbs, La Paz; 1,490 lbs, Santiago; 2,170 lbs, San Juan; 1,200 lbs, Caracas; 550 lbs, Caracas; 880 lbs, Panama City; 2,010 lbs, Havana
WOOD FILLER—530 lbs, Panama City

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New Orleans Exports

ASPHALT—20 tons, Vera Cruz
BORAX—6 tons, Vera Cruz
CLAY—19 tons, Vera Cruz
BLEACHING—18 tons, Cristobal
GASOLINE—15 tons, Bluefields
LARD—27 tons, Barranquilla; 40 tons, Cartagena; 46 tons, Havana; 32 tons, Puerto Limon; 54 tons, Vera Cruz
OIL, LUBRIC—18 tons, Havana
PARAFFIN—11 tons, Vera Cruz
ROSIN — 49 tons, Barranquilla; 24 tons, Puerto Limon
SALT—20 tons, Cartagena; 8 tons, Vera Cruz
SULPHUR—23 tons, Vera Cruz

Philadelphia Exports

BENZOL—100 dms, Buenos Aires
FLUORSPAR—45 bgs, Rio de Janeiro
NICKEL POWDER—1 bx, Buenos Aires
OIL, LUBRIC—180 cs, Rio de Janeiro; 200 cs, Santos; 35 cs, 30 dms, Buenos Aires
PAINT DRIER—1 dm, 1 bbl, Montevideo
PHONOGRAPH RECORD COMP—1,216 cartons, Buenos Aires
RESIN, SYNTH—6 bbls, Buenos Aires
VARNISH—9 bbls, Montevideo
RUTILE ORE—15 bgs, Buenos Aires
SODA PHOSPHATE—7 dms, Rio de Janeiro
TOLUOL—75 dms, Buenos Aires; 3 dms, Montevideo
XYLOL—1 dm, Montevideo

Foreign Trade Rules

Information recently published by the Department of Commerce in foreign tariff and related trade regulations include the following:—

Dutch Indies Imports:—The Netherlands Indies states that chambers of commerce in the United States continue competent to issue certificates of origin for shipments from the United States to Netherland Indies. The new regulation which will become effective November 1, 1940, will extend to all commodities the certificate of origin requirements formerly applying only to imports of goods subject to quota restriction.

Edible Oils:—Chile has continued unchanged from the preceding period the annual quota on edible oils, but the Chilean import license commission was authorized to increase the quotas on these products by 50 percent if deemed necessary.

Matches:—The Finnish excise taxes on imported and domestically manufactured matches have been doubled. The match excise tax now amounts to 0.06 Finnish marks per 10 matches.

Nitrogen:—Bohemia and Moravia has placed an embargo to the end of 1940 on the establishment of new plants and the expansion of the capacity of existing plants in the field of nitrogen fixation.

Palm Oil:—French West Africa requires an export license for shipments of palm oil.

Parcel Post:—Martinique has reduced the statistical tax on imports by parcel post from 0.90 franc to 0.30 franc per package.

Petroleum:—The Rumanian export tax on petroleum has been increased from 13 percent to 20 percent ad valorem.

Petroleum Solvents:—Uruguay has reduced the import duty on gasoline and petroleum solvents for use in preparing edible oils.

Sunflower Seed:—Southern Rhodesia has subjected to license imports and exports of sunflower seed.

Uruguay Quotas:—The Bank of the Republic of Uruguay has announced quotas for August totaling $139,500 of controlled exchange and $420,500 of free exchange, to cover imports from the United States. These exchange quotas include pharmaceuticals, chemicals and lubricants.

Vegetable Oils:—Union of South Africa has put into force the suspended duty of 1d. per pound on vegetable oils, to apply on imports from all sources. The current rate of duty, as a result of the proclamation, is now 20 percent ad valoreum, or 1d. per pound, whichever is the greater, plus the suspended duty of 1d. per pound. The vegetable oils to which this increase in duty applies are maize, groundnut, cottonseed, sesame seed, sunflower seed, mustard seed, rapeseed, soybean, palm, palmkernel, and coconut.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—69,499 bbls, San Francisco; 3,084 bbls, San Diego; 1,083 bbls, San Diego; 1,556 bbls, San Diego; 19,513 bbls, Oleum; 79,074 bbls, San Francisco; 2,908 bbls, San Diego; 3,123 bbls, San Diego; 5,400 bbls, San Diego; 39,600 bbls, Seattle; 38,070 bbls, Oleum
KEROSENE—1,985 bbls, San Francisco; 9,891 bbls, Oleum
OIL, DIESEL—5,725 bbls, Oleum; 1,461 bbls, San Diego; 17,305 bbls, San Diego; 7,950 bbls, Seattle
FUEL—2,350 bbls, Portland; 69,387 bbls, Seattle; 3,297 bbls, San Francisco; 37,318 bbls, Tacoma; 8,325 bbls, Tacoma; 49,649 bbls, Richmond; 83,904 bbls, San Diego; 30,400 bbls, Seattle; 36,208 bbls, Oleum
FURNACE—5,582 bbls, Seattle
LUBRICATING—1,465 bbls, Seattle

Bids Wanted

Alcohol, Ethyl:—20,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
Aluminum Powder:—15,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
Sulphate:—63,500 pounds; Contracting Officer, Chief of Engineers, Washington; invitation 54, opening September 4.
Antimony Sulphide:—250 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 465, opening September 6.
Beeswax, Yellow:—2,504 pounds; Contracting Officer, Jeffersonville, Ind.; invitation 431-60, opening September 3.
Chrome Green:—8,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
Calcium Hypochlorate: — 8,865 pounds; Contracting Officer, Chief of Engineers, Washington; invitation 54, opening September 4.
Enamel:—2,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
Gasoline, Aviation:—Supplies for Gulf ports; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 300-3854, opening September 5.
Graphite:—6,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 465, opening September 6.
Iron Hydroxide:—10,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
Lead, Red:—20,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
White:—400,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
Linseed Oil:—165,240 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
Lubricant:—23,000 pounds; Office of Contracting Officer, Materiel Division, Wright Field, Dayton; circular 407, opening September 4.
Naphtha:—15,635 gallons; Contracting Officer, Materiel Division, Wright Field, Dayton; circular 392, opening September 2.
Naphthalene:—19,200 pounds; Contracting Officer, Materiel Division, Wright Field, Dayton; circular 401, opening September 4.
Ochre, Yellow:—6,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
Paint:—3,000 gallons; Treasury Department, Washington; invitation 8656-85, opening September 4.
Mixing Oil:—2,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
Remover:—3,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
Thinner:—10,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
Shellac, Orange:—15,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
Soda Ash:—24,000 pounds; Contracting Officer, Chief of Engineers, Washington; invitation 54, opening September 4.
Hyposulphite:—Supplies as required during a 3 or 6 months period beginning October 1; Veterans Administration, Procurement Division, Washington; invitation 2, opening September 4.
Phosphate:—51,000 pounds; Contracting Officer, Materiel Division, Wright Field, Dayton; circular 400, opening September 6.
Sulphuric Acid:—22,860 pounds; Naval Supply Depot, Norfolk, Va.; schedule 768, requisition NSA 234, opening September 10.
Tar Oil:—10,900 gallons; Commanding Officer, Picatinny Arsenal, N. J.; procurement 479, opening September 5.
Turpentine:—4,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
64,000 gallons for Norfolk, Va.; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 2897, opening September 10.
Varnish:—5,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
Whiting:—25,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.
Zinc Oxide:—250,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4287, opening September 9.

Contracts Awarded

Alumina Sulphate:—75,000 pounds; awarded to the Hercules Powder Company, by Fort Benning, Ga., at 1.23c. per pound; procurement 14, opening July 20.
Calcium Chloride:—6,000 pounds; awarded to the Henry Bower Chemical Manufacturing Company, by Fort Benning, Ga., at 1.93c. per pound; procurement 14, opening July 20.
Dimethylaniline:—100,000 pounds; awarded to the American Cyanamid Company, by the Picatinny Arsenal, N. J. at 23c. per pound; procurement 120, opening July 29.
Nitric Acid:—20,000 pounds; awarded to the Hercules Powder Company, by the Picatinny Arsenal, N. J., at 4.25c. per 100 pounds; procurement 119, opening July 29.
Muriatic Acid:—40,000 pounds; awarded to the National Oil & Supply Company, at 1.29c. per pound, by the Picatinny Arsenal, N. J.; procurement 119, opening July 29.

Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

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Seven-hundred-twelfth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Acid Sulphoglucosate

Chemical

Material offering following properties—
- Colloid
- Goes into solution readily
- Greenish-brown color
- Immiscible with oxidizing agents
- Mildly acid reducing agent which reacts directly with oxygen to remove it from solution
- Nontoxic
- Oxidized by air
- Viscous

Mechanical

Carbonate scale inhibitor in—
- Domestic boiler systems
- Industrial boiler systems
- Water systems

Chlorine inhibitor in—
- Domestic boiler systems
- Industrial boiler systems
- Water systems

Oxygen remover in—
- Domestic boiler systems
- Industrial boiler systems
- Water systems

Reducer of—
- Hydrogen ion concentration

Barium Ethylphenyldithiocarbamate

Rubber

Accelerator (U.S. 1440962 and 1440963) in—
- Vulcanizing processes

1-Butyl-3-oxy-8-methyl-1:2:3:4-tetrahydroquinolin

Dye

Claimed (Brit. 456824) as—
- Dyestuff intermediate

Ethyl Thioacetate

Adhesives

Solvent (U.S. 2018767) in—
- Adhesive compositions containing nitrocellulose

Ceramic

Solvent (U.S. 2018767) in—
- Compositions, containing nitrocellulose, used as coatings for protecting and decorating ceramic products

Chemical

Solvent (U.S. 2018767) for—
- Nitrocellulose

Cosmetic

Solvent (U.S. 2018767) in—
- Nail enamels and lacquers containing nitrocellulose as base material

Electrical

Solvent (U.S. 2018767) in—
- Insulating composition, containing nitrocellulose, used for covering wire and in electrical machinery and equipment

Glass

Solvent (U.S. 2018767) in—
- Compositions, containing nitrocellulose, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware

Leather

Solvent (U.S. 2018767) in—
- Compositions, containing nitrocellulose, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods

Metal Fabricating

Solvent (U.S. 2018767) in—
- Coating compositions, containing nitrocellulose, used for protecting and decorating metallic articles

Miscellaneous

Solvent (U.S. 2018767) in—
- Coating compositions, containing nitrocellulose, used for protecting and decorating articles of various materials

Paint and Varnish

Solvent (U.S. 2018767) in—
- Paints, varnishes, lacquers, enamels, and dopes containing nitrocellulose

Paper

Solvent (U.S. 2018767) in—
- Compositions, containing nitrocellulose, used in the manufacture of coated papers and as coatings for protecting and decorating products made of paper or pulp

Photographic

Solvent (U.S. 2018767) in making—
- Films from nitrocellulose

Plastics

Solvent (U.S. 2018767) in making—
- Laminated fiber products
- Molded products
- Plastics from nitrocellulose

Resins

Solvent (U.S. 2018767) for—
- Resin-cellulose derivative compositions and solutions

Rubber

Solvent (U.S. 2018767) in—
- Coating compositions, containing nitrocellulose, used for decorating and protecting rubber goods

Stone

Solvent (U.S. 2018767) in—
- Coating compositions, containing nitrocellulose, used for decorating and protecting artificial and natural stone

Textile

Solvent (U.S. 2018767) in—
- Compositions, containing nitrocellulose, used in the manufacture of coated fabrics

Wood

Solvent (U.S. 2018767) in—
- Compositions, containing nitrocellulose, used as protective and decorative coatings on woodwork
- Plastic compositions, containing nitrocellulise, used for many filling and repairing purposes on wood

Pentaerythritol Tetraacetate

(Additional uses—supplementary to information given in OIL, PAINT AND DRUG REPORTER *December 5, 1938.)*

Adhesive

Plasticizer in—
- Adhesive compositions containing synthetic resins (especially vinyl resins) with nitrocellulose or cellulose acetate

Ceramic

Plasticizer for—
- Compositions, containing synthetic resins (especially vinyl resins) with nitrocellulose or cellulose acetate, used as coatings for protecting and decorating ceramic products

Chemical

Plasticizer for—
- Cellulose acetate
- Nitrocellulose

Plasticizer offering following features—
- Exceptional stability to sunlight
- Good gelatinizer for nitrocellulose
- High boiling point
- Hot flammable
- White crystalline powder

Cosmetic

Plasticizer in—
- Nail enamels and lacquers containing synthetic resins (especially vinyl resins) with nitrocellulose nitrate or cellulose acetate as base material

Electrical

Plasticizer in—
- Insulating compositions, containing synthetic resins (especially vinyl resins) with nitrocellulose or cellulose acetate, used for covering wire and in making electrical machinery and equipment

Glass

Plasticizer in—
- Compositions, containing synthetic resins (especially vinyl resins) with nitrocellulose or cellulose acetate, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Ink

Plasticizer in—
- Inks containing synthetic resins (especially vinyl resins) with nitrocellulose or cellulose acetate

Leather

Plasticizer in—
- Compositions, containing synthetic resins (especially vinyl resins) with nitrocellulose or cellulose acetate, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metal Fabricating

Plasticizer in—
- Compositions, containing synthetic resins (especially vinyl resins) with nitrocellulose or cellulose acetate, used as coatings for protecting and decorating metallic articles

Miscellaneous

Plasticizer in—
- Coating compositions, containing synthetic resins (especially vinyl resins) with nitrocellulose or cellulose acetate, used for protecting and decorating various articles

Paint and Varnish

Plasticizer in—
- Paints, varnishes, lacquers, enamels, and dopes containing synthetic resins (especially vinyl resins) with nitrocellulose or cellulose acetate

Paper

Plasticizer in—
- Compositions, containing synthetic resins (especially vinyl resins) with nitrocellulose or cellulose acetate, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp

Photographic

Plasticizer in making—
- Films from nitrocellulose or cellulose acetate

Plastics

Plasticizer in making—
- Laminated fiber products
- Molded products
- Plastics from or containing synthetic resins (especially vinyl resins) with nitrocellulose or cellulose acetate

Resins

Plasticizer for—
- Resins, especially vinyl resins

Plasticizer in making—
- Artificial resins from or containing nitrocellulose or cellulose acetate

Rubber

Plasticizer in—
- Compositions, containing synthetic resins (especially vinyl resins) with nitrocellulose or cellulose acetate, used as coatings for protecting and decorating rubber goods

Stone

Plasticizer in—
- Compositions, containing synthetic resins (especially vinyl resins) with nitrocellulose or cellulose acetate, used as coatings for decorating and protecting artificial and natural stone

Textile

Plasticizer in—
- Compositions, containing synthetic resins (especially vinyl resins) with nitrocellulose or cellulose acetate, used in the manufacture of coated fabrics

Wood

Plasticizer in—
- Compositions, containing synthetic resins (especially vinyl resins) with nitrocellulose or cellulose acetate, used as protective and decorative coatings on woodwork

Pentaerythritol Tribenzoate

Explosives

Ingredient (U.S. 1432321 and 1478892) of—
- Smokeless powders and other explosives

Sodium-Potassium Molybdate

Chemical

Catalyst (Brit. 408304) in hydrating—

Amylene	Melene
Butylene	Nonylene
Cerotene	Octodecylene
Decylene	Octylene
Dodecylene	Pentadecylene
Eicosylene	Propylene
Ethylene	Tetradecylene
Heptylene	Tridecylene
Hexadecylene	Undecylene
Hexylene	

Catalyst (Brit. 408304) in making—
- Alcohol from ethylene
- Ether from ethylene

Petroleum

Catalyst (Brit. 408304) in hydrating—

Amylene	Melene
Butylene	Nonylene.
Cerotene	Octodecylene
Decylene	Octylene
Dodecylene	Pentadecylene
Eicosylene	Propylene
Ethylene	Tetradecylene
Heptylene	Tridecylene
Hexadecylene	Undecylene
Hexylene	

Catalyst (Brit. 408304) in making—
- Alcohol from ethylene
- Ether from ethylene

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SUCCESSFUL and well-rated importers and wholesalers established in New York City nearly a quarter of a century, maintaining large warehouse with railroad siding. Have excellent contacts with leading consumers principally in paint, rubber, paper and cosmetic industries. Invite correspondence with producers of dry colors, inerts and chemical specialties who are seeking expert eastern sales representation. BOX 122, Oil, Paint and Drug Reporter.

NEW YORK JOBBING and importing firm established over twenty years is interested in securing new connections for the sale of raw materials, by-products or chemical specialties. BOX 123, Oil, Paint and Drug Reporter.

AS REPRESENTATIVE for New York metropolitan area we offer our well-located office and our service on a commission basis to small but reputable manufacturers. BOX 129, Oil, Paint and Drug Reporter.

IF YOU can offer to advantage chemical specialties, pigments, vegetable oils or other raw materials for sale in the state of Ohio, address BOX 130, Oil, Paint and Drug Reporter.

Capital Wanted

SPLENDID OPPORTUNITY for experienced chemist or chemical engineer, to manage new plant reclaiming waste sludge. Sale of finished product profitably assured. Investment required, $10,000-$15,000, secured with optional withdrawal after one year. State qualifications. Principals only. Box 132, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FOR SALE—One agitator type 400 gallon closed steam-jacketed steel kettle, internal pressure, 200 lb., bottom and side jacket capacity 100 lbs., price $200, also Taco No. 50 condenser or heat exchanger, $50. Mounted, ready for demonstration. Sargent Mfg. Co., Mt. Vernon, N. Y.

Equipment Offered

FOR SALE—Proctor & Schwartz atmospheric tray dryer, 2,400 sq. ft.; Gordon Davis 2-truck dryer; Oliver 3 ft. x ½ ft. lab. rotary filter; No. 7 and No. 10 Sweetland filters; four Anderson expellers, motor driven, with tempering apparatus; four 7x5 ft. pebble mills; 9x24, 12x30 and 16x40 inch roller mills; Lehman 16x40 inch 3-roll water cooled inclined roller mills, 3x8 ft. rotary steam tube dryer; No. 30 Devine vacuum shelf dryer; No. 00, No. 0 and No. 1 Raymond mills; Gruendler 50 H.P. hammer mill; Stedman 42 inch disintegrator; three 900 gal. closed, jack., agitated kettles; 32 inch cooper basket centrifugal; 36 inch copper coating pan; jacketed, agitated vacuum stills; copper, aluminum, steel and glass lined kettles and tanks; Hammer mills; crushers and pulverizers; powder mixers, tablet machines, ½ in. to 2½ in., single punch and rotary; filter presses to 36 in. sq.; disc filters; iron mills, portable agitators; bottle fillers and washers. Only partial listing. Write for chemical bulletin No. 128 and pharm. bulletin No. 113. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

FOR SALE—One and four gallon jar mills; silex lined pebble mills, 55-100-250 gallons; 5 ft. x 12 ft. Stokes drum dryer; No. 8 Sweetland filter press; Shriver 30 in. C.I. filter press. Edw. W. Lawler, Metuchen, N. J.

FOR SALE—Patterson 1,000 gal. mixing tanks; Ross 26 in. stone mills with iron mill feeds; Day jumbo jacketed mixer, 680 gals.; pebble and ball mills, 50 to 1,000 gals.; Day, Ross roller mills, 12 in. x 32 in.; Day powder mixers, 200 to 2,000 lbs.; jar mills, 1 to 10 gals.; pony mixers, 8 to 40 gals.; Shriver wood and iron filter press, 12 in. to 42 in. square; steel jacketed mixing tanks; colloid mills, U. S. and Premier, etc. Send for latest bulletins. Brill Equipment Corporation, 183 Varick street, New York City.

Equipment Wanted

WANTED — For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixer, pulverizer. No dealers. BOX 124, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY — Two-story, 65x100, main floor concrete, sprinkler system, elevator, steam. Unrestricted district in Brooklyn. Low rent. The R. L. Kraft Company, Woolworth Building, New York City. COrtlandt 7-9377.

Investment Offered

CONTROLLING INTEREST for sale in ethical pharmaceutical manufacturing corporation, established 35 years. Owns own building and property. Trade established. Located in the Middlewest. Good reason for sale. Cash deal. BOX 128, Oil, Paint and Drug Reporter.

Manufacturing Wanted

OLD ESTABLISHED paint, varnish and chemical manufacturing plant operating at one-third capacity is anxious to increase production and desires to contact those who may be interested in securing the manufacture of similar products at a definite saving. This plant is modern, with latest style pebble, roller and stone mills, agitators, mixing tanks, large tank storage, railroad siding and ample warehouse facilities. Well equipped chemical laboratory, experienced personnel, good labor conditions, ample heat, light, power and water supply. Plant located in central Michigan. BOX 126, Oil, Paint and Drug Reporter.

Materials Wanted

FOR EXPORT—Wanted continually surplus or off-grade stocks of every description. Give full details in first letter. Cascio Trading Company, 15 Park Row, New York. N. Y.

Positions Vacant

PAINT SALESMEN—Splendid opportunity for high class men with a following. No drifters. Territory, lower Manhattan and Long Island. By medium-priced white goods house with general paint and varnish line. State full experience, etc. BOX 131, Oil, Paint and Drug Reporter.

CHEMIST WANTED—Industrial finishes manufacturer located in metropolitan New York desires services of chemist with research, formulation, production and control experience in synthetic enamels. Our own employees have been notified of this ad. Please fully state experience. BOX 125, Oil, Paint and Drug Reporter.

CHEMIST REQUIRED in vicinity of Newark, with several years' experience in formulation and production of synthetics and lacquers; salary open. BOX 127, Oil, Paint and Drug Reporter.

Positions Wanted

PRICER, extensive experience, rapid, accurate, intimately acquainted with all lines carried by wholesale drug and sundries house. Habits acquired make me a reliable, loyal and consistent hard worker. BOX 118, Oil, Paint and Drug Reporter.

PAINT CHEMIST—Age 27; married; 5 years' diversified experience with large manufacturer, including 2 years in charge of analytical and control laboratory, and 2½ years formulating experience with synthetic type industrial and automotive finishes. Will locate anywhere, but prefer Detroit area. BOX 119, Oil, Paint and Drug Reporter.

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Synthetic Resins

—Continued from page 25

Vinylite

Vinylite, VYHH, paper bags, c.l. (30,000 lbs.), same basis	lb.	.52	—
10,000 to 29,999 lbs., cns., same basis	lb.	.54	—
2,000 to 9,999 lbs., cns., same basis	lb.	.55½	—
200 to 1,999 lbs., cns., same basis	lb.	.57	—
1 to 199 lbs., cns., same basis	lb.	.67	—
VYNS, paper bags, c.l. (30,000) lbs.), same basis	lb.	.68	—
10,000 to 29,999 lbs., cns., same basis	lb.	.70	—
2,000 to 9,999 lbs., cns., same basis	lb.	.72½	—
200 to 1,999 lbs., cns., same basis	lb.	.75	—
1 to 199 lbs., cns., same basis	lb.	.8	

Allied Oil Company, Cleveland, will build a 3,360,000-gallon storage tank for fuel oil near Presque Isle, Ohio.

Pratt & Lambert Picnics

Nearly 500 executives and employees of Pratt & Lambert, Inc., attended the company's annual family outing and basket picnic held at Edgewater Park, Grand Island, N. Y., August 24. Em-

ployees of the Fort Erie, Ont., plant joined those of the Buffalo plant in the celebration.

Harold E. Webster, president of the company, was honorary chairman, with F. P. Heltman serving as general chairman. Other company officials attending included W. P. Werheim, vice-president; T. Emerson Murphy, industrial sales manager; J. Clarence Roth, sales manager, and W. H. Lutz, technical director.

In the picture Edward J. Zimmer, chairman of the program committee for the outing and vice-president of the Western New York Paint and Varnish Production Club, checks things over with R. J. Hora, transportation chairman, who is in charge of shipping at the Pratt & Lambert plant; William J. Wisner, Pratt & Lambert's oldest employee, with a record of thirty-eight years, enjoys the occasion.

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1—Louisville 4 ft. 6 in. by 20 ft. Steam Tube Dryer.
12—Vacuum Shelf Dryers, all sizes.
1—Zaremba Triple effect Evaporator, 2,100 sq. ft. per effect.
1—9 ft. Copper Vacuum Coil Pan.
1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.'s, 2 gal. to 3,650 gal.
7—3-roll Roller Mills, up to 16 by 10.
1—6" underdriven Putty Chaser, double rollers.
1—5' by 22" Hardinge Conical Ball Mill.
12—Ball Mills, 10 gal. to 500 gal.
2—Shriver 32 in. x 32 in. castiron Filter Presses, recessed, center feed, 30 plates; other sizes from 7" x 7" to 42" x 42".
1—Oliver 8 ft. x 12 ft. Rotary Continuous acid proof Filter.
2—Dopp Jacketed Kettles—500, 650 gals.
1—700 gal. Duriron jacketed Kettle.
1—Day 80 gal. Brighton Change Can Mixer.
2—No. 10 Sweetland Filters, 2" and 2½" c.c.; others all sizes.
14—Centrifugal Extractors, 16" to 60".

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Stain Removal Discussed

A discussion of the stains and stain removal methods most commonly encountered in average laundry practice is presented in the August *Cowles Laundry Tips*, houseorgan of the Cowles Detergent Company, manufacturer and supplier of laundry chemicals. The chemical reagents and equipment needed in stain removal are comprehensively described in the article. Copies of the volume may be secured by addressing the Cowles Detergent Company, 7016 Euclid avenue, Cleveland, Ohio, mentioning the REPORTER.

Western N. Y. Paint & Varnish Production Club will hold its first meeting of the Fall season in Buffalo, September 6.

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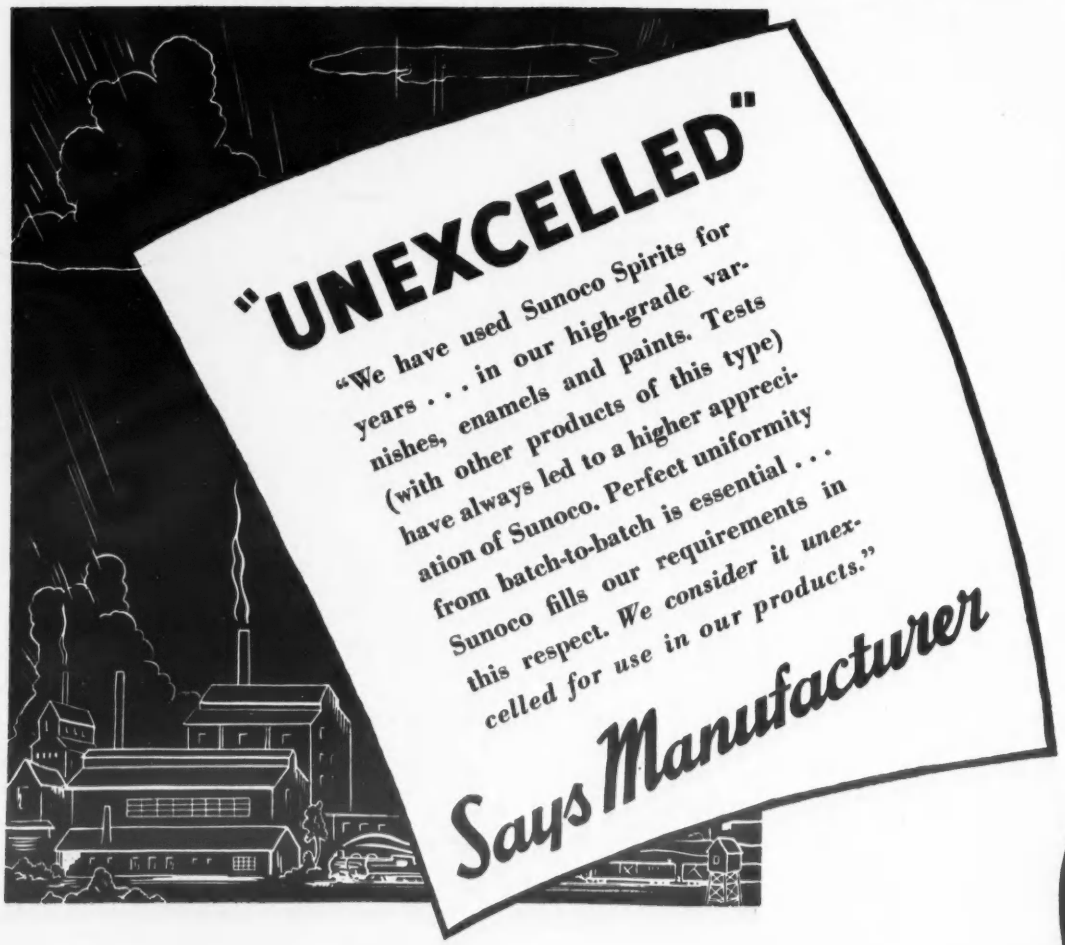
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